Setup and Operation manual



WirelessProfessional Installation and Software Operation

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1 Information About Using the Operating Instructions

Keep these operating instructions so you can refer to them at a later date!

1.1 Technical Terms

You will find an explanation of all the technical terms used in these operating instructions in the Glossary section.

1.2 Formatting Conventions

• Terms used by the WirelessProfessional software and which you may encounter on the display are printed in bold in the instructions. For example, "Above the **General** view, you will find the **General**, **Alarm List**, **Groups** and **Maps** tabs".

WirelessProfessional software buttons appear with a grey background in the instructions. For example, "Select Login and enter the installer password."

1.3 Basic Use of the WirelessProfessional Software

The WirelessProfessional software can be used both via a touchpad / mouse or a touch screen.

1.3.1 Tabs and Views

Figure 1 shows an example of the **General** view used in the WirelessProfessional software. Above the **General** view, you will find the **General**, **Alarm List**, **Groups** and **Maps** tabs. A view is selected by leftclicking or tapping on the corresponding tab above the view.

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1.3.2 Highlighting

An individual element in a list of elements is highlighted by left-clicking on the element or tapping the element on the touch screen (Figure 2).

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Notleuchte005							

Figure 2: One highlighted device

Multiple items in a list can be marked by holding down the Ctrl key and left-clicking or tapping on the touchscreen all the items you want to mark (Figure 3). Alternatively, multiple items can be selected if the

multi-select button is first clicked or tapped. When the multiple selection function is activated, the

button snaps and the window area for which the function is active is displayed with a dotted frame (see Figure 3: Selecting multiple devices)

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Figure 3: Several highlighted devices

The multi-select button is available at the top right of all lists where multiple items can be selected at the same time. If a tab contains several lists for which multiple selection is available, the multiple selection function can only be activated for one list.

If the multiple selection function is activated for one list on a tab with several lists with multiple selection function and the multiple selection button of the second list is clicked or tapped, the previously activated multiple selection function is deactivated.

When you leave a tab, the multiple selection function is automatically deactivated.

To cancel the multiple selection of the elements, the multi-selection function is deactivated, and a single element is clicked or tapped. Alternatively, with the multiple selection function activated, all selected elements can be tapped or clicked again.

The marking or selection or multiple selection is retained if the tab is left or is marked in another list on the Elements tab.

Several consecutive elements in a list are highlighted by clicking on the top element of the range to be highlighted or tapping this on the touch screen, then pressing and holding the Shift key and clicking on the bottom element of the range to be highlighted or tapping this on the touch screen (Figure 4). All elements in a list are highlighted by left-clicking on the list or tapping the list on the touch screen and

All elements in a list are highlighted by left-clicking on the list or tapping the list on the touch screen and then pressing Ctrl+A.

Not all views in the WirelessProfessional software support all these methods for highlighting elements.

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Figure 4: Several consecutive highlighted devices

Installation and Software Operation

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1.3.3 Dragging

Highlighted elements are moved by left-clicking on the highlighted elements and holding down the mouse button. The elements are then dragged to the desired location (Figure 5) and the mouse button is released.

On the touch screen, highlighted elements are moved by touching the highlighted elements with your finger, keeping your finger on the elements, and dragging them to the desired location (Figure 5). Once in the desired location, lift your finger off the touch screen.

Alternatively, the marked elements can be moved using the context menu. See 1.3.4 Context menu.

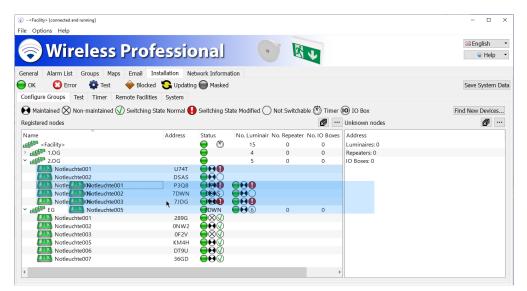


Figure 5: Dragging several highlighted elements

1.3.4 Context Menu

The context menu of one or more items is opened by clicking or tapping the context menu button (Figure 6). The right-click known from former software versions is no longer available. The context menu button can be found at the top right of every window for which a context menu is available.

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> 4 1.0G			4	0	0		
* 4 2.0G			5	0	0	Unmask Devices	
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Notleuchte002						Rename	
Notleuchte003		●00				Add Group	
Notleuchte005						Delete	
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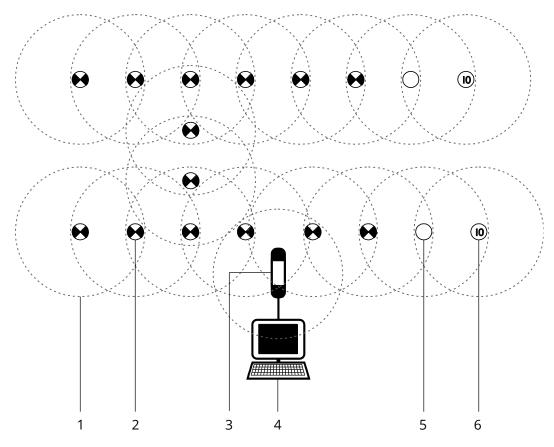
Figure 6: Context menu for a device

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2 Introduction to the WirelessProfessional System

The WirelessProfessional system is an Automatic Test System (ATS) for emergency escape lighting in accordance with DIN EN 62034.

Figure 7 shows the components of a WirelessProfessional system and how they interact. The emergency luminaires and other devices establish a radio mesh network to communicate with the automatic test system. The automatic test system comprises a PC with the WirelessProfessional software (Figure 7 no. 4) and USB coordinator (Figure 7 no. 3). The USB coordinator establishes the connection between PC and radio network. The frequency of the radio network is 868 MHz



- 1 Send/receive radius
- 2 Maintained emergency luminaire
- 3 USB coordinator
- 4 Computer
- 5 Repeater
- 6 IO box



Each device in the radio network has a send/receive radius (Figure 7 no. 1). The send/receive radius of the WirelessProfessional device is at least 30m indoors.

In order to pass data between two devices in the radio network, the one device must be in the send/receive radius of the other one. All the devices in a system must be linked to the USB coordinator of the automatic test system through an uninterrupted chain of devices, which are able to pass on data.

Figure 8 shows a system in which the radio connection to the three devices to the top right is interrupted. All other devices in the Figure are linked to the USB coordinator through an uninterrupted chain of devices and can communicate with the ATS.

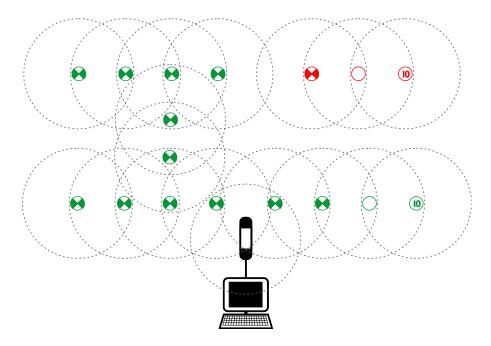


Figure 8: Devices with radio connection to the USB coordinator (green) and devices with interrupted radio connection (red)

Table 1 lists the device types available for WirelessProfessional systems. Only the device types stated may be used for WirelessProfessional systems.

Table 1: Device types of the WirelessProfessional system
--

Device type	Function
Maintained emergency luminaire	Luminaire for continuous lighting in normal mains power supply and for instances
	when the power supply to the general lighting fails
Non-maintained emergency luminaire	Luminaire for instances when the power supply to the general lighting fails
IO box	Device with digital inputs/outputs for issuing system statuses and triggering sys-
	tem functions externally
Repeater	Device for bridging the gap between two devices in the radio network if they are
	outside the send/receive radius

Each WirelessProfessional device has its own four-digit, alphanumerical address. The address can be found on the outside of the WirelessProfessional devices. In the WirelessProfessional software, devices are identified and assigned to the right mounting location by means of their address. A WirelessProfessional system is limited to no more than 1000 devices. A larger number of devices can be split over several WirelessProfessional systems.

2.1 Commissioning after Power Supply has Failed

Should the power supply fail, the emergency lighting transfers to emergency mode. After the power supply has been restored, the PC can be be switched on again using the On/Off switch in order for the automatic test system to start up. The Windows user account is logged into automatically and the Wireless-Professional software is launched automatically.

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2.2 Running Duration Tests

A duration test of WirelessProfessional emergency luminaires can only be performed if the mains supply has not been interrupted (mains failure, fuse failure, duration test) at least 24h ago.

If a manual duration test is started and one or more emergency luminaires are not adequately charged, the duration test for these emergency luminaires is postponed by 15 minutes. After 15 minutes, another attempt is made to run the duration test for the emergency luminaires. The software will try up to ten times to run a duration test for the emergency luminaires.

2.3 Processor-Controlled Emergency Luminaires

In some WirelessProfessional emergency luminaires, battery charging is controlled by a microprocessor. This prevents function and duration tests from being run if the battery has not been charged to the required end-of-charge voltage. Luminaires with this characteristic are described in the enclosed instructions as a "processor-controlled emergency light" or a luminaire with "integrated SelfControl monitoring".

2.4 Invalid Times due to Flat RTC Battery

If the following error message appears when launching the Wireless Professional software, the system date is invalid and/or the real time clock battery is flat and needs replacing.

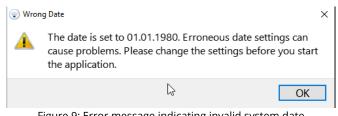


Figure 9: Error message indicating invalid system date

2.5 Protection against unauthorized access

The running system can be protected from unauthorized access by activating full-screen mode. To exit full-screen mode, you must enter the password for the corresponding user level.

3 Installation

3.1 Before Commissioning the Automatic Test System

Before commissioning the automatic test system, the emergency luminaires and other devices should be installed in the building and their addresses documented in the map. The 3rd address sticker, included in the scope of supply for each device, can be used for this purpose. All emergency luminaires and other devices which are to be added to the safety lighting system during the installation process must be powered from the mains supply.

DIN EN 62034 requires a duration test within the limits of rated duration of emergency operation when commissioning an automatic test system. The batteries of the emergency luminaires must be fully charged for this duration test. Ensure that after commissioning all emergency luminaires have been in mains operation for at least 24h without any interruptions before starting the initial duration test on the automatic test system.

3.2 Using the WirelessProfessional Software

If you are not yet familiar with how to use the WirelessProfessional software, it is essential that you read Section 1.3 about basic use of the software before you start the commissioning process!

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3.3 Connecting PC and USB Coordinator

- Connect the PC power supply to a socket and connect the PC to the power supply.
- Connect the USB coordinator to a free USB port on the PC.
- **Important:** Use the USB cable provided to connect the USB coordinator to the PC. Always connect the USB coordinator to the PC directly and not via a USB hub.
- Boot up the PC with the On/Off switch.

The operating system launches automatically with the WirelessProfessional user account and the WirelessProfessional software is launched automatically. The connection to the USB coordinator is established automatically and the display in the application window's title bar changes from **[not connected]** to **[connected and running]**. If the connection to the USB coordinator is not established automatically, change the port manually as described below.

In the top left edge of the screen, click on **Options** and then **Serial Port** or click on the **Installation** tab and then **System (5.12.5)**. This allows you to click on the <u>Serial Port</u> button and go to the drop-down menu for the serial port.

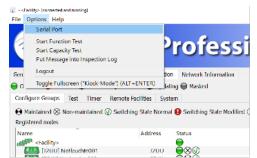


Figure 10: Serial Port drop-down menu accessed from Options

In the next window, click on the black arrow to open the drop-down menu, select **USB Serial Port** and confirm with or. The application window's title bar should then have changed to **[connected and running]**.

Note: The COM**x** details depend on the USB slot selected and so may vary.

😨 Please Select a Serial Port		×				
Ports available: USB Serial Port (COM3)	-	Refresh				
	OK	Cancel				
Figure 11: Selecting serial port						

3.4 Changing Password

- Select Login and enter the Installer password. The installer password is preset in the factory to **2222**.
- Go to the **Installation** tab. Select the **System** tab from the bottom set of tabs. Select **Change Installer Password**.

 clucity (connected and running File Options Help With 	reless Professional		- 0 ©English & Help	× *
General Alarm List Gro	ups Maps Email Installation Network Information			
OK OError OT	st 🔶 Blocked 🤹 Updating 🖨 Masked		Save System D	eta
Configure Groups Test	Timer Remote Facilities System			
		Serial Port Change Installer Password Reset Facility Manager Password Import Inspection Log Export Groups	Reconnect All Devices	
First name:	John	The start of the s	(the second sec	
Last name:	Smith			
Company:	ABC Utilities Management			
Phone:	071 1234567			
Email:	smith@abc-utilities.com			
System name:	<fadilty></fadilty>			
Project name:				
Time to connection error:	30 minutes *			
Time to connection error	30 minutes *			
for IO Baxes: Emergency follow-up time				
Commands waiting: Commands in execution:	0			
community in calcorouri.				

Figure 12: Changing password

Enter the preset installer password. Enter a new password and re-enter it. Take a note of the new password.

Change Password	×
Old Password:	••••
New Password:	••••
Repeat New Password:	••••
	OK Cancel
Figure 13: Ente	ring password

3.5 Entering Contact Details and System Names

- Enter your contact details in the First Name, Last Name, Company, Phone and Email boxes.
- Enter a name in the **System name** box.
- Confirm the entries by clicking on Save System Data.

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3.6 Installing Devices in the System

• Select **Installation** and **Configure Groups**. The **Unknown nodes** area shows the emergency luminaires and additional devices, which have a radio connection and which are not yet installed in a system. Ensure that all emergency luminaires and additional devices which have been fitted are powered by the mains and wait until all devices are listed in the **Unknown nodes** area.



Figure 14: Devices available

Note: A different process is used to register devices with a wireless module of version 2.0 or higher. If not all devices are displayed in **Unknown nodes**, use the Find New Devices... button to start a new search.

	New Devices	
0	Search for unassociated devices. This can lead to increase radio traffic, also in neighbouring systems.	ł
	Yes No	

Figure 15: Searching for new devices

Confirm the notification by selecting Yes to search for new devices on your system.

• Now register all emergency luminaires and additional devices in the system. To do this, highlight all elements in the **Unknown nodes** area and drag the highlighted elements into the **Registered nodes** area or use the context menu to register the nodes.



Warning: During the installation, position the USB coordinator so that it has a direct radio connection with fewer than 50 devices (for details, see Section 5.13).

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onfigure Groups Test Timer Re	emote Facilities System	1				
Maintained 🚫 Non-maintained 🕢		Switching	State Modified 🔿 No	ot Switchable 🕅	Timer 间 IO Box	Find New Devices
legistered nodes	,	•	0		Unknown nodes	ជា ·
Name	Address	Status	No. Luminair No	. Repeater No. IC	Address	
🚅 <facility></facility>		0	0	0 0	Luminaires: 14	
					0T4Y	
					C668	
					C668 CAD1	
					C668 CAD1 CYSR	
					C668 CAD1 CYSR CYSR D2YV	
					C668 CAD1 CYSR CYSR D2YV ER5D	
					C668 CAD1 CYSR CYSR D2YV ER5D ESXN	
					C668 CAD1 CYSR D2YV ESD ESN ESN ESN	
					C668 CAD1 CYSR CYSR D2YV ER5D ESSN ESSN FF2 HHKA	
					C668 CAD1 CYSR D2YV ESD ESN ESN ESN	

Figure 16: Highlighting devices available

Note: If you do not want to install all elements from the **Unknown nodes** area: Press and hold the Ctrl key and highlight just those elements you want to add by clicking on the elements and dragging them into the **Registered nodes** area.

• The WirelessProfessional software installs the added emergency luminaires and additional devices in the system. The remaining number of devices not yet installed is displayed in the first line of the **Registered nodes** area (**x devices not associated**). The time needed for this may vary depending on how the devices are arranged in the radio network and how far the installation has progressed (anything from several seconds to several minutes per luminaire).

- <facility> [connected and running]</facility>							- 🗆 X
ile Options Help							
😽 Wireless Pro	ofessional			2			SB English ▼
General Alarm List Groups Maps	Email Installation Net	twork Informatio	on				
🔵 OK 🛛 🕄 Error 🚔 Test	🔶 Blocked 🛛 😋 Updating	g 🔵 Masked					Save System Data
	mote Facilities System						,
						2	
Maintained 🚫 Non-maintained 父) Switching State Normal IJ	Switching Stat	e Modified () Not Switcha	ole 🕚 Timer (O IO Box	Find New Devices
Registered nodes					a	Unknown nodes	d
Name	Address	Status	No. Luminair	No. Repeater	No. IO Boxes	Address	
<pre> <facility></facility></pre>		S	7	0	0	Luminaires: 9	
Luminaire001	DCDK	S ⊗√				0010	
Luminaire002	ESXN	(D 🖸 🕄				💷 КЗО9	
Luminaire003	2Q35	(DOC				K3AG	
Luminaire004	CAD1	SO				LTCA	
Luminaire005	D2YV	() H				LIM NLKE	
	HHKA	S SV				P2NL	-0
Luminaire006							
Luminaire006	C668	() H				S8A3	
cuminaneooo	C668					S8A3 SVJ6	
cuminaneooo	C668						
cuminaneooo	C668					SVJ6	
Currinaneooo	C668					UXSV	

Figure 17: Associating devices available

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 Once all devices have been successfully registered in the system, the first line of the **Registered** nodes area shows the number of emergency luminaires, repeaters and IO boxes installed in the system.

- <facility> [connected and running]</facility>							- D >
le Options Help							
Nireless Pro	fessional			1			🔀 English 🔹
eneral Alarm List Groups Maps B	Email Installation Ne	twork Informa	ition				
) OK 🛛 🕄 Error 🊔 Test 🥤	🕨 Blocked 🛛 😋 Updatin	n 🗩 Masked					Save System Dat
	ote Facilities System	•					
					. A	Q	
🛃 Maintained 🚫 Non-maintained 🕢 S	Switching State Normal 関	Switching St	ate Modified 🔾	Not Switcha	ble 🕚 Timer	IO Box	Find New Devices
Registered nodes					a	Unknown nodes	a
Name	Address	Status	No. Luminair	No. Repeater	No. IO Boxes	Address	
Facility>			7	0	0	Luminaires: 9	
Luminaire001	DCDK	Θ				CYSR CYSR	
	DCDK ESXN	ĕ ₹				CYSR	
Luminaire001							
Luminaire001	ESXN					K309 K3AG LTCA	
Luminaire001 Luminaire002 Luminaire003	ESXN 2Q35					K309 K3AG	
Luminaire001 Luminaire002 Luminaire003 Luminaire004	ESXN 2Q35 CAD1					K309 K3AG LTCA LTCA NLKE P2NL	
Luminaire001 Luminaire002 Luminaire003 Luminaire004 Luminaire005	ESXN 2Q35 CAD1 D2YV					K309 K3AG TCA TCA KIKE S8A3	
Luminaire001 Luminaire002 Luminaire003 Luminaire004 Luminaire005 Luminaire006	ESXN 2Q35 CAD1 D2YV HHKA					K309 K3AG ITCA ITCA NLKE P2NL S8A3 SVJ6	
Luminaire001 Luminaire002 Luminaire003 Luminaire004 Luminaire005 Luminaire006	ESXN 2Q35 CAD1 D2YV HHKA					K309 K3AG TCA TCA KIKE S8A3	
Luminaire001 Luminaire002 Luminaire003 Luminaire004 Luminaire005 Luminaire006	ESXN 2Q35 CAD1 D2YV HHKA					K309 K3AG ITCA ITCA NLKE P2NL S8A3 SVJ6	
Luminaire001 Luminaire002 Luminaire003 Luminaire004 Luminaire005 Luminaire006	ESXN 2Q35 CAD1 D2YV HHKA					IIIS K309 IIIS K3AG IIICA IIICA IIIS NLKE IIIS S8A3 IIIS SVI6 IIIS UXSV	

Figure 18: Devices successfully associated

• If you want to change the name of an installed device, open the device's context menu in the **Registered nodes** view and select **Rename 'NAME'**.

- «Facility» [connected and running]							- 0	x c
File Options Help								
🛜 Wireless Pro	ofessional		£ ↓				🔀 English 🕡 He	
General Alarm List Groups Maps	Email Installation Netw	ork Information						
🔵 OK 😢 Error 🙀 Test	🔶 Blocked 🛛 😘 Updating (Masked					Save Syste	em Data
Configure Groups Test Timer Rem	ote Facilities System							
					(N)			
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Registered nodes					87 ·	•• Unknown nodes	a	
Name	Address	Status No.	Luminair No. Re	epeater N	No. IO Bo	Device Detail Dialog		^
<pre><facility></facility></pre>				0	0	Set capacity test duration for Luminaire 'Lumi	naire002'	
Luminaire001	DCDK	ĕ⊗⊘				Mask Luminaire 'Luminaire002'		
Luminaire002	ESXN	Ö ð				Unmask Devices		
Luminaire003	2Q35	ÕÕ				Start Function Test for Luminaire 'Luminaire0)2'	
Luminaire004	CAD1	$\mathbf{\Theta}\mathbf{\Theta}\mathbf{Q}$				Rename 'Luminaire002'		
Luminaire005		⋹⋳⋳				Rename 'Luminaire002'		
Luminaire006		$\Theta \otimes \mathbb{Q}$				Delete Luminaire 'Luminaire002'		
Luminaire007	C668							
						58A3		
						SVJ6		
						UXSV UXSV		
				_		Repeaters: 0		
<						> IO Boxes: 1		~

Figure 19: Renaming devices

- If you want to switch the operating mode of an emergency luminaire between non-maintained and maintained operation, open the device detail window for the emergency luminaire in the **Registered nodes**area (also refer to Section 5.15.1) by double-clicking with the left-hand mouse button on the name of the emergency luminaire or tapping the name twice.
- Complete installation of the devices in the system by selecting Save System Data.

3.7 Dividing Devices into Groups

1. If you want to divide system devices into groups, open the system context menu (first line of **Registered nodes** area) and select **Add Group to 'Facility'**.

- <facility> [connected and running]</facility>							- 0
ile Options Help							
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General Alarm List Groups Maps	Email Installation Net	work Informa	ation				
🔵 OK 🛛 🕄 Error 🛱 Test 🕔	🔶 Blocked 🛛 😋 Updating	Masked					Save System I
· · ·	ote Facilities System	•					,
			-			-	
Maintained 🚫 Non-maintained 🕢	Switching State Normal IJ	Switching St	ate Modified 🤇) Not Switchab	le 🕚 Time	er (IO) IO Box Fin	d New Devices
Registered nodes					d	··· Unknown nodes	b .
Name	Address	Status	No. Luminair	No. Repeater	No. IO Bo	Device Detail Dialog	
<pre> <facility></facility></pre>			15	0	0	Set capacity test duration for Group ' <facility>'</facility>	
> 🔐 1.0G		ŏ	4	0	0	Mask 15 Luminaires, 0 Repeaters and 0 IO Boxe	es
~ 🚅 2.0G		Õ	5	0	0	Unmask Devices	
Notleuchte001	U74T	$\Theta \Theta \Theta$				Start Function Test for Group ' <facility>'</facility>	
Notleuchte002	DSAS	$\Theta \Theta O$				Rename	
Notleuchte003	P3Q8	● € ()				Add Group to ' <facility>'</facility>	
Notleuchte005	7DWN	$\Theta \Theta O$				Delete	
Notleuchte006	7JDG	● € ●					
~ 🚅 EG		0	6	0	0		
Notleuchte001	289G	$\Theta \otimes \mathbb{Q}$					
Notleuchte002	0NW2	Θ					
Notleuchte003	0F2V	$\Theta \otimes \overline{\mathbb{Q}}$					
Notleuchte005	KM4H						
Notleuchte006	DT9U						
Notleuchte007	36GD	€€∢					

Figure 20: Creating a group

2. Enter the name of the group in the Add Group to '<Facility>' window and then select ok.

Add New Group to ' <facility>'</facility>		×
Group name: 1st floor		
	OK	Cancel
Figure 21: Group	name	

The newly added group is added to the list in the **Registered nodes** area in alphabetical order. Under some circumstances, it will therefore not be visible in the part of the list on display.

3. Press and hold the Ctrl key and highlight all elements in the list that are to be added to the new group. Drag the highlighted elements to the new group or use the context menu. If the group is not visible in the part of the list currently on display, scroll through the part you can see until the new group appears by dragging the highlighted elements to the top or bottom edge of the **Registered nodes** area.

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e Options Help						
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eneral Alarm List Groups Maps	Email Installation Network I	nformation				
OK 🚯 Error 🏟 Test 🤞	🕨 Blocked i 😋 Updating 🔵 N	lasked				Save System D
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egistered nodes				a	Unknown nodes	a
Name	Address Statu	s No. Luminai	r No. Repeater	No. IO Boxes	Address	
Facility>	9	15	0	0	Luminaires: 7	
> 💒 1.0G	9	4	0	0	UND 0010	
∽ 🚅 2.0G	9	5	0	0	CAD1	
Notleuchte001	U74T 🔵 🗧				CYSR CYSR	
Notleuchte002	dsas 🔵 🗧				D2YV	
Notleuchte003	РЗQ8 🔵 🗧				ESXN ESXN	
Notleuchte005	7DWN 🔵 🗧				K3AG	
Notleuchte006	7JDG 🔵 🗧				💷 S8A3	
- 🚅 🕮 EG	9	6	0	0	Repeaters: 0	
Notleuchte001	289G 🔵 🖉				IO Boxes: 0	
Notleuchte002	0NW2 🤤					
Notleuchte003	OF2V 🔵 🤄					
Notleuchte005	кман 🔵					
	ртэй 🔵 🗧					
Notleuchte006	36GD					

Figure 22: Assigning devices to groups

- 4. Repeat steps 1-3 until all devices are assigned into groups.
- 5. Complete assignment of the devices into groups by selecting Save System Data.

Installation and Software Operation

3.8 Maps

The WirelessProfessional software has the option of integrating maps and positioning installed devices within the map. The mounting location of a device can therefore be found quickly when required. The maps must exist in .png, .bmp or .jpg format. The maximum size of the maps is 10 mega pixels. Larger maps cannot be loaded into the WirelessProfessional system.

3.8.1 Integrating Maps

1. Select the **Maps** tab.

(i) - <facility> [connected and running]</facility>	- 0	×
File Options Help		
🛜 Wireless Professional 💿 🚱	🔀 English @ Help	• D •
General Alarm List Groups Maps Email Installation Network Information		
😑 OK 😢 Error 🌼 Test 🔶 Blocked 🏷 Updating 🝚 Masked Toggle Map View	Save System	n Data
Maps in system:		

Figure 23: Maps in general

2. Open the context menu of the Maps in system area and select Add New Map.

- <facility> [connected and running]</facility>	- 0
e Options Help	
😴 Wireless Professional 🛛 💽 👧	STR English
	😵 Help
eneral Alarm List Groups Maps Email Installation Network Information	
) OK 🛛 😳 Error 🌼 Test 🔶 Blocked 😋 Updating 🔵 Masked	Toggle Map View Save System D
ps in system:	a
	Add New Map

Figure 24: Adding new map

3. Go to the file dialogue for the data carrier on which the maps are located. Highlight the maps you want to add, and confirm the selection by clicking on Open.

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Installation and Software Operation

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• -> • 🛧 📙 « W	relessProfessional > Softwarehandbuch	> Sourcen > Gebäudepläne		✓ ₿ "Geb	Sudepläne" durchsuchen "P
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Desittop	🎫 floor plan 3rd floor.png	01.08.2011 14:26	PNG-Bitd	49.03	
	🛤 floor plan basement prog	01.08.2011 14:25	PNG-Bild	E3 KB	
Bokemente	34 hiping	01.08.2011 14:25	PNG-Bild	62 KB	
Downloads					
Mosk					
Wdecs					
System (C:)					
- Datum (Dt)					
👳 Daten-Safe (\\B)					
- Uebergabe 0//8F					
- Ecodo OVRPSLF					
- Austausch (\\10					
T					
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					Öffnen Abbrechen

4. Open the context menu of an added map and select **Rename Map <Name>**.

© - <facility> [connected and running]</facility>		- (×
File Options Help			
🛜 Wireless Professional 🛛 💽 👧		👪 English 🕡 H	
General Alarm List Groups Maps Email Installation Network Information			
🔵 OK 🛛 😢 Error 🛱 Test 🔶 Blocked 😋 Updating 🔵 Masked	Toggle Map View	Save Syst	em Data
Maps in system:]		
Map1	Add New Map		
Map2	Rename Map 'Map1'		
Map3	Delete Map 'Map1'		
	Switch to Map View of 'Map1'		

Figure 26: Renaming map

- 5. Enter a meaningful name for the map and confirm the entry by clicking on ok.
- 6. Repeat steps 4 and 5 for all maps.

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3.8.2 Positioning Devices on the Map

• Select Toggle Map View.



Figure 27: Toggling view

1. Select the map on which devices are to be positioned from the drop-down selection box.

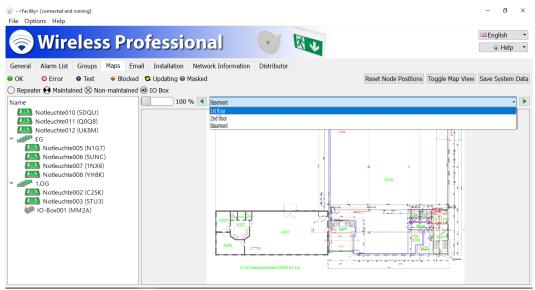


Figure 28: Selecting map

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2. Use the slide control to adjust the scale and use the scrollbars below and to the right of the map to select the relevant image section.



3. Drag the devices from the left-hand 'Name' area into the map and position them.

 - <facility> [connected and running]</facility> File Options Help 			- 0 ×
🛜 Wireless Prot	fessional	· · · · · · · · · · · · · · · · · · ·	SISEnglish ▼
General Alarm List Groups Maps Email	Installation Network Informat	ion Distributor	
⊖ OK 🛛 Error 🌣 Test 🔶 Blocked 笔	🕽 Updating 👄 Masked		Reset Node Positions Toggle Map View Save System Data
\bigcirc Repeater $igodoldsymbol{ m Repeater}$ Maintained \otimes Non-maintained \circledcirc	IO Box		
Name	222 % 🔺 1st floor		
Notleuchte011 (Q0Q8)			RR DN 100 blade fielde ARD
	A031 A032	A033	
(O'BOXOT (MMZA)	4	Q	

Figure 30: Positioning devices

- 4. Repeat steps 1-3 until all devices are positioned on the maps.
- 5. Complete positioning of the devices on the maps by selecting Save System Data.

Note: Each emergency luminaire and/or each device can only be positioned once and only in one map.

Note: We would recommend regularly saving your changes.

3.9 Setting up Automatic Test

- Select the **Installation** tab. Select the **Test** tab from the bottom set of tabs.
- In the **Capacity test** area in the drop-down **Interval** selection box, select the period between two automatic duration tests for the emergency luminaires. DIN EN 62034 requires a maximum interval of one year between two automatic duration tests.
- Enter the time at which the duration test is to start in the **Time** box. Select a time at which the building is not occupied. Alternatively, DIN EN 62034 allows the duration test to be triggered manually in buildings which may be occupied at any time. In these cases, select **Manually** as the interval.
- In the calendar in the **Start date** box, select the date for the next duration test. Select a date, which is no more than one year in the future.
- In the **Function test** area, also select an interval and time for the automatic function test. DIN EN 62034 requires a maximum interval of one month between two automatic function tests.
- If you have selected **Weekly** as the interval, in the drop-down **Weekday** selection box, select the day of the week on which the function test is to be carried out.
- Complete the settings by clicking on Save System Data.
- If necessary, please note other valid national provisions or other provisions required by building law relating to capacity and function tests.

© - discity (connected and nur File Options Help	reless Professional	· · ·	- O X DEnglish * WHep *
GK CK Error	oups Maps Email Installation Network Information Frest Biocked Updating Bioked Timer Remote Facilities System		Save System Data
Capacity test Interval: Time: Part 1: Part 2: Interval between parts Start date 20 24 22 27 1 2 28 8 9 29 15 16 30 22 21 31 29 30 Next capacity test: 7/7	Yearly 4 00 VOR4. 24 h	Fundion test Meekky Interval: Weekky Meekky Sart date: Neet fundion test: 7/13/19 4:00 AM	•

Figure 31: Timer settings

Note: If systems have more than 100 registered luminaires/devices, the command to test them is only sent out for 100 luminaires at a time to reduce the amount of wireless traffic. Testing the next 100 devices starts once testing of the previous 100 devices is complete.

Note: Duration tests are started according to a schedule as explained in Section 2.2. Contrary to the explanation in section 2.2, the start of the test for an automatic endurance test is only postponed 3 times for 24 hours each.

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3.10 Duration Test during Commissioning

DIN EN 62034 requires a duration test over the entire assessment period when commissioning an automatic test system. The batteries of the emergency luminaires must be fully charged (at least 24h, see Section 2.2 and 2.3) for this duration test.

- Select the **General** tab
- Press the Start Duration Test button

If the batteries of individual luminaires are exhausted before the duration test is completed, repeat the process including a full charge (at least 24h).

To confirm commissioning, reset the maintenance interval by going to "Help" -> "Maintenance" and clicking on the "Confirm Maintenance" button (5.15). The reminder for running maintenance again will start from this time in 365 days.

- «Facility» (connected and running)			- 0 ×
File Options Help			
			CB English •
Winalass Drofoss	ional C	13 J.	🖉 Help 🔹
🔿 Wireless Profess			- The
General Alarm List Groups Maps Email Installation Network Information			
			The second se
\varTheta OK 🖸 Error 🧔 Test 🔶 Blocked 🔂 Updating			Activate Energy Save Block Luminaires Logout
		1	Rart Function Test Start Capacity Test etract Emergency Follow-Up
Name	No. Groups		Status
<facility></facility>	3	 Operational 	

Figure 32: Starting duration test

4 Software Installation

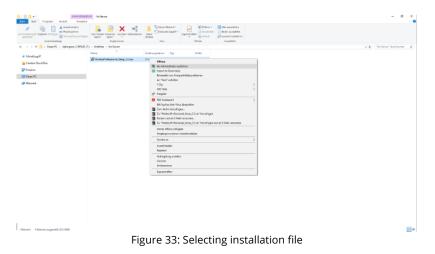
This section relates to systems supplied without a PC. If systems have been supplied with a PC, the Wire-lessProfessional software will already be installed on the PC.

4.1 System Requirements

Component	Minimum requirement
Processor	Intel Atom N455 1.6 GHz
RAM	1024 MB DDR3-RAM
Hard disk	32 GB SSD
Display	25.7 cm (10.1") screen size, resolution 1024x600 pixels
Graphics	Intel GMA 3150
Ports	2 x USB 2.0
Operating system	Windows 7/8/10, 32- and 64-bit version

4.2 Installation

• Open the context menu of the **WirelessProfessional_Setup_x.x.exe** file. (**x.x** represents the version number) and select **Run as administrator**.

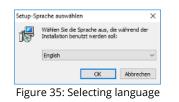


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• Enter the administrator password in the dialogue box of the user account controller and confirm with Yes.



• Select the language to be used during the installation process.



• Select Next in the setup dialogue.



Figure 36: Setup dialogue

Read the information provided about the installation directory and select Next.

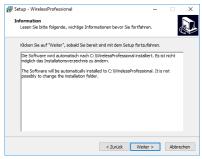


Figure 37: Setup dialogue

Select a start menu folder for the program links and then select Next.

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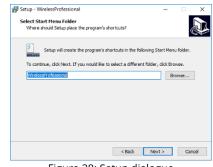


Figure 38: Setup dialogue

• Select whether a desktop symbol is to be created and then select Next.

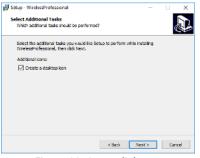


Figure 39: Setup dialogue

• Select Install. The software and the drivers required are installed.

Setup - WirelessProfessional -		×
Ready to Install Schup is now ready to begin installing WirelessProfessional on your computer.		
Click Install to continue with the installation, or click Back if you want to review change any settings.	ar	
Start Menu folder: WindessProfessional		^
Adhtionail Leeks: Additional Leeks: Create a desktop Icon		
<	>	v
< Back Instal	Q	ancel

Figure 40: Setup dialogue

• To complete the setup wizards, select Finish. The WirelessProfessional software is launched.

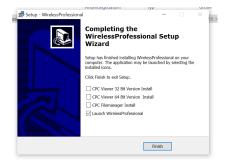


Figure 41: Completing installation

Note: The CPC Viewer and CPC File manager programs are needed if remote access to a remote system is to be set up.

Installation and Software Operation

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5 Software Operation Reference

5.1 Symbols

This section explains the symbols used in the WirelessProfessional software.

Table 2 lists the colour symbols for operating statuses. The priority of a status means that the status with the highest priority is displayed for a device or group for which several statuses apply. For example, the blue colour symbol (emergency luminaire is being tested) would be displayed for a group containing an emergency luminaire with a battery error and an emergency luminaire which is being tested because its priority is higher than that of the red symbol (error message). One exception from this is communication errors, which arise during a test: Should they arise, a red colour symbol is displayed for the device and/or group in question rather than the blue symbol to draw attention to the error.

Symbol		Priority	Meaning
Θ	Yellow	5	Status is being updated
\bigcirc	Blue	4	Emergency luminaire(s) is(are) being tested
Θ	Red	3 ¹	Error message(s)
\bigcirc	Orange	2	Emergency luminaire(s) in remote inhibiting mode
$\overline{\bigcirc}$	Green	1	No error message
\bigcirc	Grey	-	Emergency luminaire(s) is(are) masked

¹ Communication errors, which arise during a test, are displayed with a higher priority than the test. Table 2: Colour symbols

5.2 Status Symbols

Symbol	Meaning
$\mathbf{\Theta}$	Maintained emergency luminaire
\otimes	Non-maintained emergency luminaire
\bigcirc	The switching status of the emergency luminaire corresponds to its op- erating mode (switched-on emergency luminaire in maintained opera- tion and/or switched-off emergency luminaire in non-maintained op- eration)
0	The switching status of the emergency luminaire does not correspond to its operating mode (switched-off emergency luminaire in main- tained operation and/or switched-on emergency luminaire in non- maintained operation)
(0)	Group/system is linked to the input/output of an IO box
 /\$\	Croup/system is linked to a timer

Group/system is linked to a timer

Table 3: Status symbols

5.3 Operating Statuses

Table 4 shows an overview of the special operating statuses of a WirelessProfessional system. Further explanations about the operating statuses can be found in the glossary (Section 10).

Operating status	Non-maintained emergency lumi- naires, switchable	Maintained emer- gency luminaires, switchable	Function/du- ration test possible	Emer- gency mode possi- ble
Energy save	Off	Off	Yes	Yes
Activate	Off ¹	On	Yes	Yes
Fire alarm	On	On	No	Yes
Block emergency lumi naires	- Off	On	No	No

¹Switchable non-maintained emergency luminaires are not switched by the **Activate** function. Switchedoff emergency luminaires remain switched off and switched-on emergency luminaires remain switched on.

Table 4: Operating statuses

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5.4 Status Messages

Table 5 lists the status messages for the WirelessProfessional software and explains the meaning of them.

Status message	Meaning		
Starting system	The system is checking that all devices can be reached		
Updating	The status of devices is being changed		
Device not associated	Device installation in the system is not yet complete		
Blocking x luminaires	x emergency luminaires are still to be put into remote inhibiting mode		
Unblocking x luminaires	Remote inhibiting mode still needs to be terminated for x emer- gency luminaires		
Emergency state is expiring	Once the fire alarm overrun time has expired, the emergency lu- minaires are switched off again		
Operational	At least one switchable emergency luminaire is switched on		
Ready to activate	All switchable emergency luminaires are switched off or the sys- tem only consists of luminaires which cannot be switched		
Error on x devices	Error messages for x devices		
Emergency state is activated by IO-box	Fire alarm (signal at fire alarm input of IO box enabled). All switch- able emergency luminaires are switched on.		
Emergency state is in follow-up time	Fire alarm terminated (signal at fire alarm input of IO box no longer enabled). The system is in fire alarm overrun time. Switch- able emergency luminaires remain switched on until end of over- run time.		
Starting test on x devices	Testing of x devices is being started		
Test running	Status message during a test		
Finishing test on x devices	The test is completed and the test results are being transferred from the emergency luminaires		
Capacity test postponed on x devices ¹	The test could not be started on x, so another start attempt is delayed		
x luminaires are blocked	x emergency luminaires are in remote inhibiting mode		
Feature activation required	The system requires a feature activation because, for example, more devices are installed on the system than are supported ac- cording to the activation.		
Table F. Ctatus Massages			

Table 5: Status Messages

¹ Manual capacity test or automatic capacity test

5.5 Error Messages

Table 6 lists the error messages for the WirelessProfessional software and explains the meaning of them.

Error message	Meaning	Possible cause
Device invalid	A device is responding with an un- known type identification	Device firmware is more up-to-date than WirelessProfessional software
Emergency mode / Connection lost	The radio connection to a device is interrupted	Device is in emergency mode Fault in radio connection to device
Battery error	The battery voltage is outside the tolerance range	Battery not connected Incorrect battery connected Battery has suffered excessive dis- charge Battery defective
requires feature activation	More devices are assigned than the current system configuration is able to manage	
Last test [*] failed: Connection error	The radio connection was inter- rupted during the test or once the test was completed	Fault in radio connection to emer- gency luminaire
Last test failed: Luminaire error – test still running	The luminaire is still being tested at the time the WirelessProfessional software retrieves the test result	The light performs a test over the full autonomy time, while a 2/3 test has been started in the WirelessProfes- sional software.
Last test failed: Luminaire error – no test result	The radio module could not read a test result from the luminaire	Fault in the connection between the radio module and the electronics of the luminaire
Last test [*] failed: Battery error	Battery error during the test	Battery not connected Incorrect battery connected Battery not charged adequately Battery has suffered excessive dis- charge Battery defective
Last test [*] failed: illuminant error	Illuminant error during the test	Illuminant not connected Illuminant defective Switch device defective Illuminant current too low
Last test [*] failed: not powered long enough	A duration test cannot be carried out because the luminaire had not been charged for long enough	Luminaire connected before less than 24h or recently experienced power supply failure
Last test [*] failed: Test already running	A test cannot be started because there is already a test running	An attempt was made to start an- other test even though a test is al- ready running – e.g. automatic dura- tion test underway and manual func- tion test is started. Multiple at- tempted starts are also possible via the timer.

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Last test [*] failed: Not fully charged	A duration test cannot be carried out because the luminaire had not been charged for long enough	A luminaire with processor-con- trolled charging is currently charging the battery – e.g. following recent power supply failure
Last test [*] failed: last capacity test too recent	The luminaires are in the recharge phase following a duration test	An attempt was made to start a func- tion test in the recharge phase
Last test [*] failed: not associated	Association to luminaire lost	The luminaire was not associated with the system at the start of the test
Last test [*] failed: emergency active		A test was started while in the fire alarm status (first status emergency mode)

Table 6: Error messages of the WirelessProfessional system

*) – Function or duration test

5.6 User Levels

The rights for accessing the WirelessProfessional software functions are split into several user levels. Table 7 provides an overview of the user levels and their access rights. The **Facility Manager**, **Installer** and **Distributor** user levels are password-protected to prevent unauthorised use. The WirelessProfessional software launches in the **Anyone** user level.

User level	Access rights	
Anyone	Read-only, no changes can be made	
Facility manager	Switch devices, trigger function/duration tests	
Installer	Install devices, configure groups and automatic tests, integrate maps, reset facility manager pass- word	
Distributor	Define maintenance intervals, reset installer pass- word, change logo	

Table 7: User levels of WirelessProfessional software

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5.7 "General" View

You access the **General** view by selecting the **General** tab.

The system name, number of groups and system status are displayed in the **General** view. Figure 42 shows a screenshot of the **General** view for the **Facility Manager** or **Installer** user level. The buttons and their functions do not appear while in the **Anyone** user level. Section 5.1 explains the meaning of the symbols used in the Status column. If there are any active error messages (red colour symbol), the **Alarm List** view can be opened by clicking or tapping on the red colour symbol. The **Groups** view can be opened by clicking or tapping in the **Groups** column.

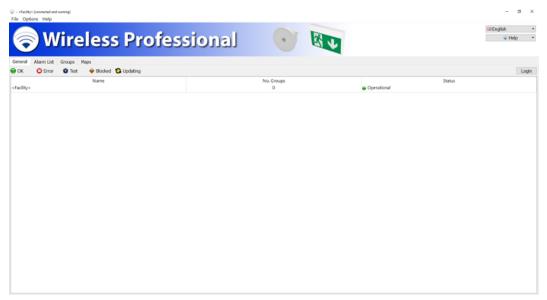


Figure 42: General view, facility manager and installer user levels

The functions listed in Table 8 can be performed using the buttons in the **General** view.

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Button	Function	User level
Activate	Switches on all switchable maintained emergency luminaires	Facility manager, installer
Energy Save	Switches off all switchable and switched- on emergency luminaires	Facility manager, installer
Block emergency lumi- naires	Puts all emergency luminaires into remote inhibiting mode	Facility manager, installer
Logout	Resets the user level to Anyone	Facility manager, installer
Start function test	Starts a function test for all emergency lu- minaires	Facility manager, installer
Start Capacity test	Starts a duration test for all emergency lu- minaires	Facility manager, installer
Abort test	Cancels a running test. Any ongoing functional tests at this time are completed.	Facility manager, installer
Reset fire alarm overrun time	Ends the overrun time after a fire alarm. The minimum overrun time is 10 minutes. This button is only enabled if a fire alarm has previously been registered and the emergency luminaires are in the overrun time.	Facility manager, installer

Table 8: Functions of the **General** view

Note: When you log out manually, you will be asked whether you want to save the system. When you log out automatically, you are not asked this.

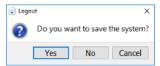


Figure 43: Save system dialogue

5.8 "Alarm List" View

You access the Alarm List view by selecting the Alarm List tab.

The **Alarm List** view displays all devices in the system reporting an error. The defective devices are arranged by group. The name of the device as well as its address and status (as colour symbol and in plain text) are displayed. If a device reports several errors at the same time, this will be displayed in plain text. Section 5.1 explains the meaning of the symbols used in the Status column. Section 5.4 contains an overview of the possible error messages. Figure 44 shows a screenshot of the Alarm List view for the **Facility Manager** or **Installer** user level. Not all buttons are available when in the **Anyone** user level.

- <facility> [connected and running]</facility>		- 🗆 ×
File Options Help		
🛜 Wireless	Professional 💿 💽	🔀 English 🔹
General Alarm List Groups Maps	Email Installation Network Information	
	🗊 🚥 Reset Error Messages Inspection Log Operationtime Log Communications Log System Log Start Function Test Start Cap	oacity Test Logout
Name Address Device Type ✓ #* <fa< td=""> > ✓ #* 2 ✓ #* 2 Ø #* 05AS KBU013 Ø #* 75WN KBU013 Ø #* 75WN RMx003</fa<>	Status © Error on 9 devices © Error on 5 devices © 2 Errors: Connection lost, Last capacity test failed: Test aborted by user © 2 Errors: Connection lost, Last capacity test failed: Test aborted by user © 2 Errors: Connection lost, Last capacity test failed: Test aborted by user © 2 Errors: Connection lost, Last capacity test failed: Test aborted by user © 2 Errors: Connection lost, Last capacity test failed: Test aborted by user © 2 Errors: Connection lost, Last capacity test failed: Test aborted by user © 2 Errors: Connection lost, Last capacity test failed: Test aborted by user © 2 Errors: Connection lost, Last capacity test failed: Test aborted by user © 2 Errors: Connection lost, Last capacity test failed: Test aborted by user	

Figure 44: Alarm List view, facility manager and installer user levels

The functions listed in Table 9 can be performed via the context menu for the error messages (Figure 44).

Note: You can highlight one or more devices at the same time. Instructions about multiple highlighting can be found in Section 1.3.2.

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Menu entry	Function	User level
Show device details	Displays detailed information, such as mounting location, operating mode etc. for the selected device	Anyone
Start function test for emer- gency luminaire <name></name>	Starts a function test for this emergency luminaire	Facility manager, installer
Start Duration Test for Lumi- naire <name></name>	Starts a duration test for this emergency luminaire	Facility manager, installer
Block emergency luminaire <name></name>	Puts emergency luminaire into remote inhibiting mode	Installer
Unblock	Ends remote inhibiting mode for emer- gency luminaire	Installer
Show on map <name></name>	Shows this emergency luminaire on the map (Luminaire name is stated when the luminaire is assigned to a map)	Anyone

Table 9: Functions of context menu in Alarm List view

A function or duration test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3).

Button	Function	User lev	vel	
Reset errors	All currently pending error messages are reset. Ac- knowledgment of the error messages is recorded in the inspection log.	Facility staller	manager,	in-
Inspection Log	Opens the test run progress (see Section 5.8.1)	Anyone		
Operationtime Log	Not implemented	Anyone		
Communications Log	Opens the communications log (see Section Kom- munikationslog)	Anyone		
System Log	Opens the system log (see Section Systemlog)	Anyone		
Start Function Test	Starts a function test for all emergency luminaires	Facility staller	manager,	in-
Start Capacity Test	Starts a duration test for all emergency luminaires	Facility staller	manager,	in-
Logout	Resets the user level to Anyone	Facility staller	manager,	in-

The functions listed in Table 10 can be performed using the buttons in the **Alarm List** view.

Table 10: Buttons of the Alarm List view

Note: The Reset error messages button is only visible if error reset has been activated for the corresponding user level in the sales partner area.

A function or duration test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3).

5.8.1 Test Run Progress

The results of function and duration tests are stored in the test run progress along with other messages. The test run progress is opened by pressing the **Inspection Log** button in the **Alarm List** view. Figure 45 shows a screenshot of the opened test run progress.

Inspection Log		×
	Load all Copy to Clipboard Add Message Open Old Log Refresh O	К
Time	Message	^
19.10.2020 10:16	Anlagenname: <facility>,</facility>	
19.10.2020 10:16	Projektname: .	
19.10.2020 10:16	Basis mit Adresse 1HQL verbunden.	
10.11.2020 14:59	Anwendung gestartet:	
10.11.2020 14:59	Anlagenname: <facility>,</facility>	
10.11.2020 14:59	Projektname: .	
10.11.2020 14:59	Basis mit Adresse 1HQL verbunden.	
09.12.2020 07:48	Anwendung gestartet:	
09.12.2020 07:48	Anlagenname: <facility>,</facility>	
09.12.2020 07:48	Projektname: .	
09.12.2020 07:48	Basis mit Adresse 1HQL verbunden.	
09.12.2020 07:57	Application started:	
09.12.2020 07:57	facility name: <facility>,</facility>	
09.12.2020 07:57	project name: .	
09.12.2020 07:57	Receiver connected with address 1HQL.	~

Figure 45: Inspection Log

The messages in the test run progress are saved in the **inspection_log.txt** file. If the size of this file exceeds 4 MB, the content of the file is archived under **inspection_log_<Datum>.txt** and removed from the **inspection_log** file. When opened, the last 500 entries from the inspection log are loaded. All entries can be loaded by clicking on the "Load all" button.

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The functions listed in Table 11 can be performed using the buttons from the test run progress.

Button	Function	User level
Load all	Loads all the inspection log entries	Anyone
Copy to Clip- board	Copies the test run progress messages to the clipboard	Anyone
Add Message	Manual input of messages. Once a message has been entered manually, the Refresh button must be pressed in order for the message to be listed in the test run progress. Messages en- tered manually cannot be deleted from the test run progress.	Anyone
Open Old Log	Opens an archived test run progress	Anyone
Refresh	Updates the test run progress messages	Anyone
OK Table 11: Euroctions	Closes the test run progress window of buttons in test run progress	Anyone

n test run progress able -unctions of buttons

5.8.2 Communications Log

Error messages from radio network communication are recorded in the communications log. The start time of the WirelessProfessional software and the start time of the connection to a USB coordinator are also recorded. Figure 46 shows a screenshot of the communications log.

	Load all Copy to Clipboard Open Old Log Refresh O	К
Time	Message	^
19.10.2020 10:31	Basis mit Adresse 1HQL verbunden.	
19.10.2020 11:40	Verbindung zur Basis verloren.	
19.10.2020 11:40	Basis mit Adresse 1HQL verbunden.	
10.11.2020 14:59	Anwendung gestartet:	
10.11.2020 14:59	Anlagenname: <facility>,</facility>	
10.11.2020 14:59	Projektname: .	
10.11.2020 14:59	Basis mit Adresse 1HQL verbunden.	
09.12.2020 07:48	Anwendung gestartet:	
09.12.2020 07:48	Anlagenname: <facility>,</facility>	
09.12.2020 07:48	Projektname: .	
09.12.2020 07:48	Basis mit Adresse 1HQL verbunden.	
09.12.2020 07:57	Application started:	
09.12.2020 07:57	facility name: <facility>,</facility>	
09.12.2020 07:57	project name: .	
09.12.2020 07:57	Receiver connected with address 1HQL.	

Figure 46: Communications Log

The messages in the communications log are saved in the **communication.log** file. If the size of this file exceeds 4 MB, the content of the file is archived under **communication_<Datum>.log** and removed from the **communication.log** file. When opened, the last 500 entries from the communications log are loaded. All entries can be loaded by clicking on the "Load all" button.

The functions listed in Table 12 can be performed using the buttons from the communications log.

Button	Function	User level
Load all	Loads all the communications log entries	Anyone
	(Only the last 500 entries are displayed by default)	
Copy to Clipboard	Copies the test run progress messages to the clipboard	Anyone
Open Old Log	Opens an archived communications log file	Anyone
Refresh	Updates the communications log messages	Anyone
ОК	Closes the communications log window	Anyone
Table 12: Functions of	f buttons in communications log	

Table 12: Functions of buttons in communications log

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5.8.3 System Log

All configuration and status changes to the system are recorded in the system log. Figure 47 shows a screenshot of the system log.

System Log	\sim	>
	Load all Copy to Clipboard Open Old Log Refresh	OK
Time	Message	^
09.12.2020 07:48	K2 of IO Box "IO-Box001" is de-energized.	
09.12.2020 07:48	K3 of IO Box "IO-Box001" is de-energized.	
09.12.2020 07:48	The user logged in as distributor.	
09.12.2020 07:52	System is shutting down.	
09.12.2020 07:52	Shutdown duration: 648ms; storing database: 608ms	
09.12.2020 07:57	Load issue: ELD0039TS	
09.12.2020 07:57	Application started:	
09.12.2020 07:57	facility name: <facility>,</facility>	
09.12.2020 07:57	project name: .	
09.12.2020 07:57	Starting duration: 2905ms; Reading database: 391ms	
09.12.2020 07:57	Receiver connected with address 1HQL.	
09.12.2020 07:58	K1 of IO Box "IO-Box001" is de-energized.	
09.12.2020 07:58	K2 of IO Box "IO-Box001" is de-energized.	
09.12.2020 07:58	K3 of IO Box "IO-Box001" is de-energized.	- 14
09.12.2020 09:03	The user logged in as distributor.	~

Figure 47: System Log

The messages in the system log are saved in the **system.log** file. If the size of the file exceeds 4 MB, the content of the file is archived under **system_<Datum>.log** and removed from the **system.log** file. When opened, the last 500 entries from the system log are loaded. All entries can be loaded by clicking on the "Load all" button. The functions listed in Table 13 can be performed using the buttons from the system log.

Button	Function	User level
Load all	Loads all the system log entries (Only the last 500 entries of the system log are displayed by de- fault)	Anyone
Copy to Clipboard	Copies the system log messages to the clipboard	Anyone
Open Old Log	Opens an old system log file	Anyone
Refresh	Updates the system log messages	Anyone
ОК	Closes the system log window	Anyone
Refresh OK	Opens an old system log file Updates the system log messages	Anyone

Table 13: Functions of buttons in system log

5.9 "Groups" View

You access the **Groups** view by selecting the **Groups** tab.

The **Groups** view shows the groups created in the system as well as the devices in each group. Figure 48 shows a screenshot of the Groups view.

-	Alarm List Gr			stallation Network		iona	,				
ок	C Error	😨 Test	🔶 Blocked	😘 Updating 🔵	Masked					Abort Test Lo	ogoi
0.	Name	Status	No. Luminair	res No. Repeaters	No. IO Boxes	Maintained Luminair	es Non-maintained	Luminaires		Dimming Settings	
	Facility:		5	0	1	On Off	On	Off		Start Function Test for Group	
1	1st floor	•	2	0	0		On	Off		Start Capacity Test for Group	'EG
2	all 2nd floor	•	1	0	0	On Off				Block Group 'EG'	
3	Basemen	t 😑	2	0	0	On Off				Unblock D	_
	Name	Address	Status	Operation M- Positi		Type Switch Lumir					
	- Notleu	289G	•	Non-maint	ILDX	023 On Off					
	Motleu	289G 0NW2	•	Non-maint Maintained	ILDX0 KMU	023 On Off 001 On Off					
	Notleu Notleu	289G 0NW2 0F2V	•	Non-maint Maintained Non-maint	ILDX0 KMUI ILDX0	023 On Off 001 On Off 023 On Off					
1 2 3 4	Notleu Notleu Notleu Notleu	289G 0NW2 0F2V KM4H	• • • •	Non-maint Maintained Non-maint Maintained	ILDX0 KMUI ILDX0 KMUI	O23 On Off 001 On Off 023 On Off 023 On Off 001 On Off					
	Notleu Notleu Notleu Notleu	289G 0NW2 0F2V KM4H DT9U	•	Non-maint Maintained Non-maint Maintained Maintained	ILDX0 KMUI ILDX0 KMUI KSC0	O23 On Off 0001 On Off 023 On Off 001 On Off 001 On Off 001 On Off 0013 On Off					
lo. 1 2 3 4 5 6	Notleu Notleu Notleu Notleu	289G 0NW2 0F2V KM4H	•	Non-maint Maintained Non-maint Maintained	ILDX0 KMUI ILDX0 KMUI	On Off 001 On Off 023 On Off 001 On Off 001 On Off 0013 On Off					

Figure 48: Groups view, facility manager and installer user levels

The button "Abort test" cancels a running test (refer to table 8). Devices that do not support test abortion will remain testing until the duration test is finished. The groups created in the system are displayed in the top part of the Groups view. The columns in the top part show the name of the group or system, status and number of emergency luminaires, repeaters and IO boxes. Section 5.1 explains the meaning of the symbols used in the Status column. The buttons in the **Maintained Luminaires** and **Non-maintained Luminaires** columns allow emergency luminaires of the respective operating mode to be switched on or off. This function is only available for the facility manager and installer user levels and only if the system contains switchable emergency luminaires. A red frame around the **On** or **Off** button indicates that the emergency luminaires are switched off, in maintained operation or switched on in non-maintained operation.

The functions listed in Table 14 can be performed via the context menu for the groups (Figure 48). The functions take effect for all emergency luminaires within the selected group in each case.

Menu entry	Function	User level	
Dimming Settings	The option of dimming all emergency luminaires in this group when in nor- mal and emergency mode (see Figure 50)	Facility manager staller	, in-
Start Function Test for Group <name></name>	Starts a function test for all emer- gency luminaires in this group	Facility manager staller	, in-
Start Duration Test for Group <name></name>	Starts a duration test for all emer- gency luminaires in this group	Facility manager staller	, in-
Block Group <name></name>	Puts all emergency luminaires in this group into remote inhibiting mode	Facility manager staller	, in-

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Unblock	Ends remote inhibiting mode for Fa	acility manager, in-
	emergency luminaires in this group st	taller

Table 14: Functions of context menu in upper part of Groups view

A function or duration test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3).

The devices of the group selected in the upper part of the Groups view are displayed in the lower part (Figure 49). The name of the device, its address, status, operating mode (if dealing with an emergency luminaire), the position of the luminaire and device type are displayed in the columns of the lower part. The buttons in the **Switch Luminaires** column allow switchable emergency luminaires to be switched on or off. This function is only available at the facility manager and installer user levels and only if the respective emergency luminaire can be switched. A red frame around the **On** or **Off** button indicates that an emergency luminaire is switched off in maintained operation or switched on in non-maintained operation.

			ess P							
neral OK	Alarm List Gr	oups Maps	Email Installati							··· Abort Test Lo
2	Name	Status	• •	No. Repeaters		Maintained Luminaires	Non-maintained Lumina	ires		
	Facilit		5	0	1	On Off	On Off			
1	Ist floo		2	0	0		On Off			
2	all 2nd floo	or 😑	1	0	0	On Off				
3	I Baseme	ent 😑	2	0	0	On Off				
	Name	Address	Status Oper	ation M. Position	Device Type	Switch Lumir				
	Name	Address 289G		ation M ¹ Position maint	Device Type ILDX023	On Off				Device Detail Diat Dimming Settings
	Motleu	289G 0NW2	 Non- Main 	maint tained	ILDX023 KMU001	On Off On Off				Dimming Settings Start Function Test
	Notleu Notleu	289G 0NW2 0F2V	 Non- Main Non- 	maint tained maint	ILDX023 KMU001 ILDX023	On Off On Off On Off				Dimming Setting: Start Function Tes Start Capacity Tes
	Notleu Notleu Notleu	289G 0NW2 0F2V KM4H	 Non- Main Non- Main 	maint tained maint tained	ILDX023 KMU001 ILDX023 KMU001	On Off On Off On Off On Off				Dimming Settings Start Function Tes Start Capacity Test Block Luminaires
	Notleu Notleu	289G 0NW2 0F2V	 Non- Main Non- Main Main Main 	maint tained maint	ILDX023 KMU001 ILDX023	On Off On Off On Off				Dimming Setting Start Function Tes Start Capacity Tes

Figure 49: Groups view, facility manager and installer user levels

The functions listed in Table 15 can be performed via the context menu for the devices (Figure 49). **Note:** You can highlight one or more devices at the same time. Instructions about multiple highlighting can be found in Section 1.3.2.

Menu entry	Function	User level
Device Detail Dialog	Displays details for the selected device	Anyone
Dimming Settings	The option of dimming this lumi- naire when in normal and emer- gency mode (Figure 50: Luminaire dimming settings)	Facility manager, in- staller
Start Function Test for Luminaire	Starts a function test for this emer- gency luminaire	Facility manager, in- staller
Start Duration Test for Luminaire <name></name>	Starts a duration test for this emergency luminaire	Facility manager, in- staller
Block Luminaire <name></name>	Puts this emergency luminaire into remote inhibiting mode	Facility manager, in- staller
Unblock	Ends remote inhibiting mode for this emergency luminaire	Facility manager, in- staller

Show on MapShows this device luminaire on theAnyonemap

Table 15: Functions of context menu in lower part of Groups view

A function or duration test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3).

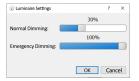


Figure 50: Luminaire dimming settings

Note: If a luminaire supports the dimming function, the **Dimming Settings...** menu item can be selected. If a group contains some luminaires which do not support this feature and some which do, the **Dimming Settings...** menu item is available to the group. Dimming is however only activated on those luminaires which support the feature.

The dimming of emergency luminaires may only be undertaken in accordance with locally valid provisions and the official emergency lighting plan for the building such that sufficient emergency lighting can be guaranteed at all times.

5.10**"Maps" View**

You access the **Maps** view by selecting the **Maps** tab.

The **Maps** view allows maps to be added to the system and the luminaires installed in the system to be positioned on the maps such that the mounting location of a luminaire can be found at any time. The functions of the **Maps** view are only available to the **Installer** user level. The maps can only be viewed when in the **Anyone** and **Facility Manager** user levels.

• - «Facility» [connected and running]		- 🗆 ×
File Options Help		
🛜 Wireless Professional 🛛 💿		Elii English •
General Alarm List Groups Maps Email Installation Network Information		
🔵 OK 🙁 Error 🔹 Test 🔶 Blocked 🌄 Updating 🔵 Masked		Toggle Map View Save System Data
Maps in system:	ā ···	
	Add No	ew Map

Figure 51: Maps view (list of maps), installer user level

The Maps view is divided up yet further into the list of maps (Figure 51) and graphic view of maps along with the devices positioned within it (Figure 53). You can switch between the two views using the Toggle Map View button.

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5.10.1"List of Maps" View

You can add new maps by selecting **Add New Map** in the context menu of the **Maps in system** area (Figure 51). Go to the file dialogue for the data carrier on which the maps are located. Highlight the maps you want to add and confirm the selection by clicking on Open. The following graphics file formats are supported: **.bmp**, **.jpg** and **.png**. The maximum size of the maps is 10 mega pixels. Larger maps cannot be loaded into the WirelessProfessional system.

You can sort the list of maps by highlighting an entry and dragging it to the desired position within the list.

The context menu for maps in the **Maps in system** area (Figure 51) contains the **Add New Map**, **Rename Map <Name>**, **Delete map <Name>** and **Switch to Map View of <Name>** functions.

A view of the building can be integrated in the right-hand part of the **List of Maps** view. You add a building view by opening the context menu in the grey rectangle and/or building view at the right-hand edge of the window and selecting **Select New Building Logo** (Figure 52). Go to the file dialogue for the data carrier on which the building view is located. Select the building view and confirm the selection by clicking on Open.

Click or tap twice on an entry in the list of maps to go to the graphic view of this map.

Once you have made changes to the maps, select Save System Data to confirm the changes.

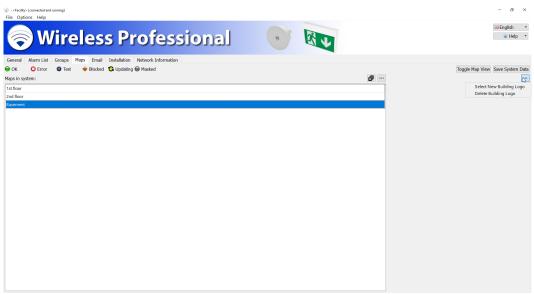


Figure 52: Maps view (list of maps), installer user level

5.10.2 Graphic "View of Maps"

The devices installed in the system can be positioned on the maps in the graphic view of maps. Figure 53 shows a screenshot of the graphic view of maps.

You access the graphic view of maps by clicking on the Toggle Map View button or by double-clicking or tapping twice on an entry in the list of maps.

The devices installed in the system are listed, sorted into groups, in the left-hand part of the view. You position a device on a map by highlighting the device in the left-hand part and dragging it to its mounting location on the map in the right-hand part. Devices which have been positioned on a map are automatically removed from the list in the left-hand part.

The map shown in the right-hand part can be selected from the drop-down selection list above the righthand part. A map can also be selected using the arrow buttons located to the right and left of the dropdown selection list.

The slide control above the right-hand part can be used to adjust the scale of the map displayed and the scrollbars below and to the right of the map can be used to select the relevant image section.

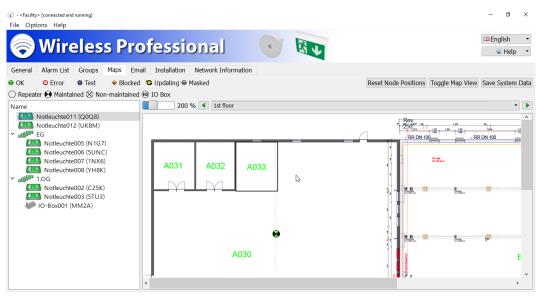


Figure 53: Maps view (graphic view), installer user level

The functions listed in Table 16 can be performed using the buttons in the graphic view of maps.

Button	Function	User level
Reset Node Positions	Deletes all devices from the map currently on display	Installer
Toggle Map View	Switches between the list and graphic view of maps	Anyone
Save System Data	Saves all changes to the system configura- tion	Installer
Table 16: Eurotions of butto	as in graphic view of mans	

Table 16: Functions of buttons in graphic view of maps

Once you have made changes in the graphic view of maps, select Save System Data to confirm the changes.

Installation and Software Operation

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5.11"Email " View

You access the **Email** view by selecting the **Email** tab. To be able to see this tab, you must log in at facility manager level or higher.

 - «Facility» (connected and File Options Help) 	f running]		- 0	
	/ireless Professi	ional 🔹	ui En	glish Help
General Alarm List	Groups Maps Email Installation Network Information		Change Facility Manager Password Send Test-Mail Save Syster	n Dat
Sender:	wirelessprofessional@betrelber.de		Change racing manager rasswork (2014) reschail (3646 3956)	II LABE
Subject:	emergency lighting system <facility></facility>			
Email address:	max.mustermann@abc-technik.de			
SMTP server:	smtp.betreiber.de		Port: 25	
SMTP server login:	wprofessional			
Wat time: [Sminute: Radio fault Number of nece Battery fault Also report tempora Nail delivery on capad Biboding luminaire Biboding luminaire Dinotaler login Logout time: [<u>1</u>]	eesaary nadio faultis: [1 3] ary faultis ion test: All tests • hange			

Figure 54: Email view, facility manager and installer user levels

The WirelessProfessional software provides the option of sending an email to a previously defined email address when certain events occur. The settings for sending these emails can be configured in the Email view. To use this function, you need an email account from which the emails can be sent, and the PC must have an Internet connection. Emails can be sent via a secure SSL connection. Figure 54 shows a screenshot of the Email view.

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Table 17 lists the boxes in the Email view and their meanings.

	e Emai view and their meanings.
Box	Meaning
Sender	Sender's email address
Subject	Entry in subject line of email
Email address	Receiver's email address Use commas if sending to several different email
	addresses, e.g. receiver2@domain2.de ,
SMTP server	SMTP server from which the emails are sent
Port	The port via which the emails are to be sent (usually port 25, 587 or 465)
SMTP server login	Login for the SMTP server
SMTP server password	Password for the SMTP server. The WirelessProfessional software only
	supports SMTP servers with a password login.
Wait time	Time after an event has occurred before an email is sent. During this time, the system waits for further events so that several events can be bundled in one email.
Radio fault	Email dispatch in the event of a radio fault
Battery error	Email dispatch in the event of a battery fault
Also report temporary	An email is sent even if the fault has been remedied before the end of the
faults	wait time.
Mail delivery on func-	Choose between
tion test	Email is sent after all function tests (all tests)
	Email is only sent after function tests in which errors occurred (failed
	tests)
	Emails are not sent after function tests (never)
Mail delivery on capac-	Choose between
ity test	Email is sent after all duration tests (all tests)
	Email is only sent after duration tests in which errors occurred (failed
	tests)
	Emails are not sent after duration tests (never)
Blocking luminaire	Email is sent when emergency luminaire(s) is(are) put into remote inhibit- ing mode
Emergency status	Email is sent when the signal status at the fire alarm input on the IO box
change	changes (fire alarm starting or fire alarm ending)
Installer login	Email is sent when a user logs in as installer
Logout time	Users logged in as facility manager or installer are automatically logged
J	out if no user activity is detected for the time set here. This function serves
	to automatically log out facility managers or installers who have forgotten
	to log out.
T 47 B · F · I ·	

Table 17: Boxes in Email view

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The functions listed in Table 18 can be performed using the buttons in the Email view.

Button	Function	User level
Change Facility Man- ager Password	Change the password for the facility manager user level	Facility manager, in- staller
Send Test Mail	Sends a test email	Facility manager, in- staller
Save System Data	Saves all changes to the system configuration	Facility manager, in- staller

Table 18: Functions of buttons in Email view

Once you have made changes in the Email view, confirm the changes by clicking on the Save System Data button.

Installation and Software Operation

5.12"Installation "View

You access the **Installation** view by selecting the **Installation** tab. The **Installation** tab is only available at the installer user level.

The Installation view is divided up into the **Configure Groups**, **Test**, **Timer**, **Remote Facilities** and **System** views using tabs.

5.12.1"Configuring Groups" View

You access the **Configure Groups** view by selecting the **Configuring Groups** tab in the **Installation** view. The **Configure Groups** view allows new devices to be added to the system and groups to be created and managed. Figure 55 shows a screenshot of the **Configure Groups** view.

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Email Installation Network	Information				
🕨 Blocked 🛛 😋 Updating 🔵	Masked				Save System
te Facilities System					
witching State Normal 🚺 Swit	ching State Modified () Not Switchat	le 🕚 Timer (O IO Box	Find New Device
-	- (ସ୍ଥ
Address Sta	tus No. Luminai	r No. Repeater	No. IO Boxes	Address	
	(1)	0	0	Luminaires: 96	
ē	4	0	0	0006	
	5	0	0	413 0010	
U74T 🔵	Θ			443 0050	
DSAS 🔵	80			0052	
P3Q8 🔵	$\Theta $			0084	
7DWN 🔵	8 0			💷 08ED	
7JDG 🔵	$\Theta $			0C5M	
9	6	0	0	OCSQ	
				L OSKQ	
				0T4Y	
				I 928	
км4н 🔵	$\Theta $			💷 1HXK	
				LES 1PHA	
36GD 🔵	$\Theta $			2Q35	
				3CCE	
	Email Installation Network Blocked Updating (te Facilities System witching State Normal (Address State U74T DSA5 P308 70WN 7JDG 289G 0F2V 0F2V KM4H 0F3U	witching State Normal Switching State Modified Address Status No. Luminai Status No. Luminai Status Status No. Luminai Status Stat	Email Installation Network Information Blocked Updating Masked te Facilities System witching State Normal Switching State Modified Not Switchat Address Status No. Luminair No. Repeater	Email Installation Network Information Blocked Updating Masked te Facilities System witching State Normal Switching State Modified Not Switchable State Modified Address Status No. Luminair No. Repeater No. IO Boxes Address Status No. Luminair No. Repeater No. IO Boxes Address Status No. Luminair No. Repeater No. IO Boxes Address Status No. Luminair No. Repeater No. IO Boxes Address Status No. Luminair No. Repeater No. IO Boxes Address Status No. Luminair No. Repeater No. IO Boxes Address Status No. Luminair No. Repeater No. IO Boxes Address Status No. Luminair No. Repeater No. IO Boxes No. Luminair No. Repeater No. IO Boxes Address Status O A	Email Installation Network Information Blocked Updating Masked te Facilities System Masked witching State Normal I Switching State Modified Not Switchable III mer III Information Information IIII Information Address Status No. Luminair No. Repeater No. IO Boxes Address 15 0 0 Address 15 0 0 DSAS Image: Information IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

Figure 55: Configuring Groups view, distributor user level

The first line in the **Registered nodes** area shows the name and properties of the system. Under this you can see the groups created in the system and the devices in the groups. Click or tap on the triangle to the left of a group to expand this group and display the devices in this group or to collapse this group again.

The columns in the **Registered nodes** area show the name of the group or device, status and number of **emergency luminaires**, **repeaters** and **IO boxes** in the group.

Section 5.1 explains the meaning of the symbols used in the Status column.

The functions listed in Table 19 can be performed via the context menu for the entries in the **Registered nodes** area (Figure 56). The context menu entries vary depending on whether the context menu for a group or device is called up.

At distributor user level, the Address column also shows information about the version of the wireless module fitted in the device.

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e Options Help							
							313 English
Wireless	Professio	nal		No.	V		🐨 Help
eneral Alarm List Groups Maps		work Informa					
OK 😢 Error 🏶 Test	🔶 Blocked 😋 Updating	Masked					Save System
onfigure Groups Test Timer Re	mote Facilities System						
🖣 Maintained 🚫 Non-maintained 🕢) Switching State Normal 🚺	Switching St	ate Modified 🔵	Not Switchabl	e 🕚 Time	er 🔟 IO Box	Find New Devices
egistered nodes	-		-		<u>ت</u>	··· Unknown nodes	ត្វា -
lame ^	Address	Status	No. Luminair	No. Repeater	No. IO Bo	Device Detail Dialog	
Facility>		0	15	0	0	Set test and light up duration	
		ĕ	4	0	0	Mask Devices	
2.0G		ĕ	5	0	0	Unmask Devices	
Notleuchte001	U74T	OO				Start Function Test	
Notleuchte002	DSAS	$\Theta \Theta O$				Rename	
Notleuchte003	P3Q8	● • • •					
Notleuchte005	7DWN	$\Theta \Theta O$				Add Group	
Notleuchte006	7JDG	● • • •				Delete	
eg		\bigcirc	6	0	0	448M	
Notleuchte001	289G	$\Theta \otimes \bigcirc$				AHH5	
Notleuchte002	0NW2	Θ				C668	
		$\Theta \otimes \overline{\langle}$				CAD1	
Notleuchte003	0F2V						
	0F2V KM4H	€ €				CN1N	
Notleuchte003 Notleuchte005 Notleuchte006	KM4H DT9U					CYSR CYSR	
Notleuchte003	KM4H	€ €					

Figure 56: Configuring Groups view - context menu

Menu entry	Function	User level
Mask x luminaires, x repeaters and x IO boxes/Mask luminaire 'Name'	Masks the device/devices (errors are not shown)	Installer
Unmask Devices	Cancels the masking of masked devices	Installer
Start Function Test for Luminaire 'Name'/ for Group 'Name'	Starts a function test for this emergency luminaire/emergency luminaires in this group	Installer
Rename group 'Name' / luminaire 'Name'	Renames groups/emergency luminaires	Installer
Add Group	Adds a sub-group to a group and/or sys- tem. This function is only enabled in the context menu for groups/the system	Installer
Delete group 'Name' / luminaire 'Name'	Deletes the group/device from the system	Installer
Set duration test duration for group 'Name' / luminaire 'Name'	The option of shortening the autonomy time (and/or test duration) of the selected luminaire or all luminaires in a group from the control centre. See note	Installer

Table 19: Functions of context menu in Registered Nodes area, Configuring Groups view

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If the context menu of the **Set duration test duration for luminaire 'Name'** is selected, the **Autonomy time settings** window opens (Figure 57).

Autonomy time settings	?	×
Set autonomy time for 1 luminairs:		
Autonomy time: 8 -		
CAUTION: Change b luminaire autonomy only be made in 8 n with applicable local and the official emergency lighting design of such that sufficient emergency illumination is all times.	regulat the fac	ions :ility,
For use by authorized personnel only.		
ОК	Cano	cel

Figure 57: Autonomy time settings window

The current autonomy time is shown in the **Autonomy time settings** window. A new autonomy time can be selected using the drop-down list.

Only an autonomy time, which is the same as or shorter than the initial autonomy time, can be selected here.

This may result in an increase in the light current.

Warning: Changes to the autonomy time of emergency luminaires may only be made in accordance with locally valid provisions and the official emergency lighting plan for the building such that sufficient emergency lighting can be guaranteed at all times.

Note: Autonomy time settings are supported in wireless module version 2.1 (15) and higher. if the luminaire does not support this function, this menu item is not available. If a group contains both some luminaires which do not support this feature and some which do, this menu item is available. If the menu item for setting the duration test duration for luminaires is selected for such a group, a note appears informing the user of which devices do not support this feature. The autonomy time for the remaining devices can be changed by pressing the ves button.

💿 Notic	e	×
▲	The following device does not support changing test durations: DKJ6	
	Proceed anyway?	
	Yes No	

Figure 58: Note relating to changing the autonomy time

The luminaire(s) then changes(change) briefly into the Refresh status. As soon as the luminaire(s) returns(return) to the OK status, the change takes effect and is displayed accordingly in the device details (see Figure 87).

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The **Unknown nodes** area shows the devices, which have a radio connection and which are not yet registered in a system. The list of devices are split into the **Luminaires**, **Repeaters** and **IO boxes** device types. Devices which are not supported by the installed version of the WirelessProfessional software are shown as **Not usable** in the **Unknown nodes** area. Devices where the radio connection has been interrupted for more than 5 minutes are removed from the **Unknown nodes** area.00

Devices from the **Unknown nodes** area are added to the system by highlighting them in the **Unknown nodes** area (Figure 59) and dragging them into the **Registered nodes** area. The devices are then installed one after another in the system. The remaining number of devices not yet installed are displayed in the first line of the **Registered nodes** area (**x devices not associated**). The time needed for this may vary depending on how the devices are arranged in the radio network and how far the installation has progressed (anything from several seconds to several minutes per luminaire).

e Options Help						
Wireless Pro	fessio nal			1		📰 English 😪 Help
eneral Alarm List Groups Maps E	mail Installation Ne	etwork Inform	nation			
OK 区 Error 🍄 Test 🥤	🕨 Blocked 🛛 😋 Updatin	ig 🔵 Masked	d			Save System
	te Facilities System					
Maintained 🚫 Non-maintained 🕢 S	witching State Normal 🌔	Switching S	State Modified 🤇) Not Switchable 🕚	Timer 🔟 IO Box	Find New Devices
					Unknown nodes	1
egistered nodes				EQ.		
· ·	Address	Status	No. Luminair	No. Repeater No. 10		<u></u>
· ·	Address	Status	No. Luminair 0	No. Repeater No. 10		
lame ^	Address			No. Repeater No. 10	Address	
lame ^	Address			No. Repeater No. 10	Address Luminaires: 14	
lame	Address			No. Repeater No. 10	Address Luminaires: 14 0T4Y	
lame ^	Address			No. Repeater No. 10	Address Luminaires: 14 CT4Y C668 CAD1 CYSR	
lame ^	Address			No. Repeater No. 10	Address Luminaires: 14 C668 CAD1 CSR CYSR D2VV	
lame ^	Address			No. Repeater No. 10	Address Luminaires: 14 C668 CAD1 CYSR D2YV ESD ERSD	
lame ^	Address			No. Repeater No. 10	Address Luminaires: 14 C668 CAD1 CYSR CD2V CYSR ERSD ERSD EXN	
lame ^	Address			No. Repeater No. 10	Address Luminaires: 14	
lame ^	Address			No. Repeater No. 10	Address Luminaires: 14 5 0T4Y 5 C668 5 CAD1 5 CYSR 5 D2YV 5 ESD 5 SXN 5 F9F2 5 HKA	
egistered nodes	Address			No. Repeater No. 10	Address Luminaires: 14	

Figure 59: Configuring Groups view, installer user level

Warning: During the installation, position the USB coordinator so that it has a direct radio connection with fewer than 50 devices (for details, see Section 5.13, "Network Information). Devices, which have been installed in a system, only pass on data packages from devices in the same system. If devices are added to a system individually, the following scenario may therefore arise: A device, which is mounted a long way from the USB coordinator, is added to the system. The devices, which are mounted between this device and the USB coordinator which are needed to pass on data packages may however not yet have been installed in the system. The distant device may then not be contactable in the radio network. This is the reason why all devices that are to be installed in the system should be highlighted in the Unknown nodes area and at the same time dragged into the Registered nodes area. The functions listed in Table 20 can be performed via the context menu for the entries in the **Unknown nodes** area (Figure 60).

· <facility> [connected and running]</facility>							- a >
ile Options Help							
ଚ Wirele	ess Pro	ofes	ssio	na			记 English
	Email Installation Netw		tion				
OK 😳 Error 😨 Test 4 Configure Groups Test Timer Rem	Blocked SUpdating Updating Opdating System	Masked					Save System D
Maintained X Non-maintained X		Switching St	ate Modified) Not Switcha	ble 🕅 Timer 🔟 IO Box		Find New Devices
Registered nodes	- -		0		• •	🔊 🚥 Unknown nodes	æ
Name	Address	Status	No. Luminair	No. Repeater	No. IO Boxes	Address	Add to group
<pre> <facility></facility></pre>		0	15	0	0	Luminaires: 106	Delete Device '0CSQ
> 1.0G		ĕ	4	0	0	09MN	Add New LuminNire
~ 2.0G		ĕ	5	0	0	0CSO	Add New Repeater
Notleuchte001	U74T					OSKQ.	Add New Repeater
Notleuchte002	DSAS	ÖH Õ				0T4Y	Add New TO Box
Notleuchte003	P3Q8	ÖM				III 1928	
Notleuchte004	7DWN	00				1HXK	
Notleuchte005	7JDG	Ö ĦŬ				1PHA	
Y COM EG		0	6	0	0	2Q35	
Notleuchte001	289G					20LL	
Notleuchte002	0NW2	€ €				3CCE	
Notleuchte003	0F2V	000				JWD 3JWD	
Notleuchte005		● € €				AND SNID	
Notleuchte006		€€€				318A	
Notleuchte007	36GD	€€€				SX0E	
						65F2	
						ETGH 6TGH	
						7A1J	
						413 86AD	
						AFJ 8AFJ	
						III 9TCR	
						448M	
						ASNX ASNX	
						AHH5	
						AVHP	
						668 C668	
						443 CAD1	
						LTN 0051	~

Figure 60: Configuring Groups view - context menu

Menu entry	Function	User level	
Add to group	Adds the selected device to a	group	Installer
Delete Device 'Address'	Deletes the device from the	Unknown nodes	Installer
	area		
Add New Luminaire	Add emergency luminaire ma	nually	Installer
Add New Repeater	Add repeater manually		Installer
Add New IO Box	Add IO box manually		Installer
Table 20: Functions of context	menu in Unknown nodes area	a, Configuring Grou	i ps view

The **Add to group** function allows to add devides to groups (1.3.3).

The **Delete Device** '**Address**' function deletes the device from the **Unknown nodes** area. This simply removes the device from the list. Should the device continue to transmit connection requests, the address will be displayed again.

The **Add New Luminaire/New Repeater/New IO Box** functions allow devices to be added to the system manually without there being any radio contact with these devices. The device addresses must be known in order to add devices manually.

r charad he letter		
4		
	-	
1	Delete	Delete Car

Figure 61: Address for the New Device

The button eisplays the screen keyboard.

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Manually created devices can also be dragged out of the **Unknown nodes** area into the **Registered nodes** area just like other devices.

Important!

Manually created devices can only be added provided that there are fewer than 250 devices in the system.

The colour status of manually added devices remains yellow until there is radio contact with the device. Then it changes to green. This function can be used to create an emergency lighting system in the WirelessProfessional software without the user having to be physically at the system's mounting location.

If a 4-character device address is entered in the **Address for the New Device** window and <u>Delete</u> is pressed, the system ID is removed from the device with this address. While the system ID is being removed, the device is displayed with the name **TempNode[Address]** (Figure 62) and once the system ID has been removed from the device, it is automatically removed from the system.

File Options Help							- 5 ,
File Options Help							
ଚ Wirele	ess Pro	ofe	ssio	ne		Y	S8 English
General Alarm List Groups Maps	Email Installation Net	work Inform	ation Distribut	or			
OK CONFIGURE GROUPS Test Timer Rem	Blocked Supdating Updating to the Facilities System	Masked					Save System Da
		Switching S	tate Modified) Not Swite	hable 🕄 Timer 🔞 IO Box		Find New Devices
Registered nodes	·····		C	,		👩 \cdots Unknown nodes	Ø
Name	Address	Status	Mar Luncherle	No. Deser	ter No. IO Boxes	Address	^
<pre>vame <facility></facility></pre>	Address	Status	15	NO. Repea	0	Luminaires: 44	
> diff 1.0G		8	4	0	0	0CSQ (15)	
* di 2.0G		2	4	0	0	0CSQ (15)	
Notleuchte001	U74T (15)		,	0	0	1HXK (15)	
Notleuchte002	DSAS (15)				Address for the New Device	2Q35 (15)	
Notleuchte003	P3Q8 (15)				Addresses consist of four characters, each	400 (15) 400 (15)	
Notleuchte004	7DWN (15)				one of the digits 0-9 or the letters A, C-H, J-	A48M (13)	
Notleuchte005	7JDG (15)				N, P-Y.	AHH5 (16)	
Y de EG	1100(10)	A 000	6	0	1234 ĭ	C668 (15)	
Notleuchte001	289G (15)	ĕ⊗⊘				CAD1 (16)	
Notleuchte002	0NW2 (15)					CC51 (15)	
Notleuchte003	0F2V (15)					CN1N (15)	
Notleuchte005	KM4H (15)	OO			OK Delete Cancel	E3WF (15)	
Notleuchte006	DT9U (15)	€ €				ER5D (16)	
Notleuchte007	36GD (15)	€ €				ETA FC7G (15)	
						ELS FKVW (15)	
						FQLT (15)	
						GT7Y (15)	
						HHKA (15)	
						JP9W (15)	
						K309 (15)	
						K3AG (9)	
						KCLE (15)	
						L77W (15)	
						LGQG (15)	
						LTCA (15)	
						445 MQFW (15)	
						MT28 (15)	v

Figure 62: Display showing device to be deleted

5.12.2"Test" View

You access the **Test** view by selecting the **Test** tab in the **Installation** view.

	ireless Profession	al 🔹	RU	- O × CEEnglish * & Help *
😑 OK 🛛 Error	Groups Maps Email ansancoon Network Information First			Save System Data
27 1 28 8 29 15 1 30 22 2	Jul, 2019 Image: Constraint of the system M. Do. Fr. So. So. 5 26 27 26 29 30. 2 3 4 5 6 7 9 10 11 12 13 14 6 17 18 19 20 21 3 24 25 26 27 28 0 31 1 2 3 4	Fundion text Interval: ITrac: Veedday: Start Gate: Next function text	Weekly 4:00 VGR4. Saturday est: 7/13/19 4:00 AM	• 8 •

Figure 63: Test view, installer user level

The WirelessProfessional system performs automatic tests on safety lighting systems in accordance with DIN EN 50172 and DIN EN 62034. The duration test and function test can be configured in the **Test** view. Figure 63 shows a screenshot of the **Test** view.

Table 21 lists the boxes in the **Capacity test** area and their meanings.

leaning
nterval between two duration tests. Choose between manual, quarterly, every 4 nonths, every 6 months, yearly. If manual is selected, the automatic test is deac- vated
ime at which the test starts. Select a time at which the building is most probably ot being used.
lot implemented
lot implemented
lot implemented
elect the date for the next duration test
he date of the next duration test is only displayed once changes have been con-
rmed by selecting Save System Data
ר ו ו ו ו

Table 21: Boxes in Test view, Capacity test area

A function or duration test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3).

If an automatic duration test is started and one or more emergency luminaires are not adequately charged (see Sections 2.2 and 2.3), the duration test for these emergency luminaires is postponed by 24 hr. After 24 hr, another attempt is made to run the duration test for the emergency luminaires. The software will try up to three times to run a duration test for the emergency luminaires.

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Table 22 lists the boxes in the **Function test** area and their meanings.

Вох	Meaning
Interval	Interval between two function tests. Choose between manual, daily and weekly. If manual is selected, the automatic test is deactivated.
Time	Time at which the test is started. Select a time at which the building is most prob- ably not being used.
Weekday	Day of the week on which the function test is carried out (if weekly is selected in the Interval box)
Next function	The date of the next function test is only displayed once changes have been con-
test	firmed by selecting Save System Data
Table 22. Boyes in	Test view Function test area

Table 22: Boxes in Test view, Function test area

Once you have made changes in the Test view, select Save System Data to confirm the changes.

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5.12.3"Timer" View

You access the **Timer** view by selecting the **Timer** tab in the **Installation** view.

Timers can be used to assign functions to luminaires, which are carried out at defined times. Figure 64 shows a screenshot of the **Timer** view.

Alarm Lisk Groups Maps Enail Installation Network Information	UK Groups Mags Email Installation Network Information Trop Text Ploded & Updating @ Masked Server 5 Text Timer Remote Fadilities System Newr Timer Edit Timer Activated Timer Activated Timer Activated Timer Activated Timer Activated	Alarm Lisk Groups Map Enail Installation Network Information For The Renote Faulties System Renote Faulties System Renote Faulties System Renote Faulties System Renote Faulties System Renote Faulties System Renote Faulties System Renote Faultie	Alarm Lisk Groups Maps Enail Endolation Network Information For Groups Text Inner Remote Faulties For Groups Schedule Operating Mode Timer Activated Network Information Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Activated Inner Ac	N	virele	ss Proi	iessiona	al	U	
Other Test	Nor Test	Oracle Test	Oracle Control Oracle Control Operating Model Operating Model Timer Advate/Deactingte Timer Sever System e Groups Schedule Operating Model Timer Advate/Deactingte Timer New Timer Edit Timer Edit Timer Deacting Model Deacting Model							
New Time Edit Time Addressed water Delete e Groups Schedule Operating Mode Timer Addressed Delete	New Timer Edit Timer Addvate/Deachade Timer Deit Groups Schedule Operating Mode Timer Activated Deit Deit	e Groups Schedule Operating Mode Timer Activated	e Groups Schedule Operating Mode Timer Activated				ed			Save 5)
e Groups Schedule Operating Mode Timer Activated	Groups Schedule Operating Mode Timer Activated	e Groups Schedule Operating Mode Timer Activated	e Groups Schedule Operating Mode Timer Activated	gure Groups	Test Timer Remo	ote Facilities System				New Timer Edit Timer Estivate/Dearthoute Timer Delet
•rfacility- on 06:00, off 1800, daily, 1 Jan - 31 Dez Switch Maintained Lumin yes	«facility» on 06:00, off 18:00, duily, 1 Jan - 31 Dez Switch Maintained Lumin yes	-rfacility- on 0600, off 1800, daily, 1 Jan - 31 Dez Switch Maintained Lumin yes	efacility- on 0600, off 1800, duily, 1 Jan - 31 Dzz Switch Maintained Lumin yes	Name	Groups	Schedule	Operating Mode	Timer Activated		The line, and line provide the line and
				ner01 <	Facility> on 06:00, of	f 18:00, daily, 1 Jan - 31 Dez	Switch Maintained Lumin	yes		

Figure 64: Timer view, installer user level

The functions listed in Table 23 can be performed using the buttons in the **Timer** view.

Button	Function	User level
New Timer	Opens the Configure Timer window (Figure 65) to configure a new timer	Installer
Configure Timer	Opens the Configure Timer window (Figure 65) for the highlighted timer	Installer
Activate/Deactivate Timer	Activates/deactivates the highlighted timer	Installer
Delete Timer	Deletes the highlighted timer	Installer
Table 23: Functions of the	e limer view	

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The New Timer and Configure Timer buttons open the **Configure Timer** window (Figure 65) for configuring a timer. Table 24 lists the boxes in the **Configure Timer** window and their meanings.

۲	Configure Timer		×
	Name:	Timer01	
	Start Date:	1 Jan 🗠	
	End Date:	31 Dec ~	
Ø	Switch-On Time:	6:00 AM 🖶	
	Switch-Off Time:	6:00 PM \$	
	Days:	Mo Tu We Th Fr Sa Su	
		☑ Daily	
	Operating Mode:	Switch Maintained Luminaires	
		O Switch Non-Maintained Luminaires	
		O Energy Save	
		O Activate	
		○ Function Test	
		○ Capacity Test	
	Groups to switch:	🗹 🛩 <facility></facility>	
		OK Cance	1
		OK Cance	1

Figure 65: Configure Timer window

Вох	Meaning
Name	Name of timer
Start Date	Date from which the timer is active
End Data	Date after which the timer is no longer active
Switch-On Time	Time at which the emergency luminaires are switched on
Switch-Off Time	Time at which the emergency luminaires are switched off
Days	Select the days on which the switching function is to be run or select Daily
Operating Mode	 Select the switching function to be run. Choose between: Switch Maintained Luminaires Switch Non-Maintained Luminaires Energy Save (switches off all switchable and switched-on luminaires in the system) Activate (switches on all switchable luminaires in the system in maintained operation) Function Test (trigger a manual function test for selected groups) Duration Test (trigger a manual duration test for selected groups)
Groups to switch	Select the groups whose luminaires are to be switched

Table 24: Boxes in Configure Timer window

Once you have made changes in the **Timer** view, select Save System Data to confirm the changes.

Note: Only the switch-on time should be set for function and duration tests. Otherwise, an error message will appear.

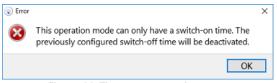


Figure 66: Timer programming error

Timer-controlled function and/or duration tests should be used if small test groups are needed. Manual testing is carried out on a selection of luminaires.

Note: If there are two timers triggering function tests, an interval of 1h must be programmed between them.

Name mer01 «Facility mer02 «Facility mer03 «Facility mer04 «Facility	y>		Operating Mode Switch Maintained Luminaires	Timer Activated	New Timer Edit Timer Activate/Deactivate Timer Defete Ti
mer01 «Facility mer02 «Facility mer03 «Facility	y» Y?	off 06:00, on 18:00, daily, 1 Jan - 31 Dez		Timer Activated	
mer02 <facility mer03 <facility< th=""><th>y></th><th></th><th></th><th></th><th></th></facility<></facility 	y>				
mer03 «Facility		on 00:00, Tu, 1 Jan - 31 Dez	Switch Maintained Luminaires	yes	
		on 00:00, T0, T Jan - 31 Dez	Switch Maintained Luminaires	yes yes	
-racing		on 00:00, Th, 1 Jan - 31 Dez	Switch Maintained Luminaires	yes	
mer05 <facility< td=""><td>,</td><td>on 00:00. Fr. 1 Jan - 31 Dez</td><td>Switch Maintained Luminaires</td><td>yes</td><td></td></facility<>	,	on 00:00. Fr. 1 Jan - 31 Dez	Switch Maintained Luminaires	yes	
mer06 <facility< td=""><td></td><td>on 00:00, daily, 1 Jan - 31 Dez</td><td>Switch Maintained Luminaires</td><td>activation required</td><td></td></facility<>		on 00:00, daily, 1 Jan - 31 Dez	Switch Maintained Luminaires	activation required	

Figure 67: Overview of programmed timers

The number of timers which can be programmed is limited to 5 by default and can be extended by means of activation. For more information about extending the system, please contact your distributor. If more than 100 luminaires are included in the selection for a function test, the test is carried out in several groups, each with a maximum of 100 luminaires. The endurance test is carried out using a schedule as explained in Section 2.2.

5.12.4"Remote Facilities" View

You access the **Remote Facilities** view by selecting the **Remote Facilities** tab in the **Installation** view. In addition to its own devices, the WirelessProfessional software can also monitor a WirelessProfessional control centre connected via Ethernet.

Page 62

 - «Facility» (connected and running) File Options Help 			- a ×
	ss Professio	nal 💿 🐼	u≣Engfuh • ⊯ Help •
	all Installation Network Information		
OK O Error Test O Bloc Configure Groups Test Timer Remote	oked 🔽 Updating 🖨 Nasked		Save System Data
compare croups reac miner rearrow	System		New Remote Facility Edit Remote Facility Delete Remote Facility
Name Remote H	iost Status		
Path to VNC client: C:Program Files/Tiger/VN Path to web browser: C:VProgram Files/Modil			

Figure 68: Remote Facilities view, installer user level

The New Remote Facility buttons opens the window for configuring networked systems.

😨 Remote Facility		? ×
Name:		
Remote computer:		Port: 80
	Cancel Test	Test Connection
Update delay:	1 minute	•
Remote access:	No access	•
		OK Cancel

Figure 69: Input box for remote facility

Enter any name for the system you want to monitor (for example: WLTOUCH). In the "Remote computer" box, enter the IP address or device name of the system in question and the port. Then select the Test Connection button to test the connection to it.

- Default port for WLCPC: 80
- Default port for systems in the multiControl plus series: 81
- Default port for WLZENT: 8080

Once the connection to the system you want to monitor is established successfully (\bigcirc) , configure the update delay. This is used to set how often data from the remote system is queried. You can choose between 10 seconds, 1 minute and 10 minutes.

When VNC access is activated, you can establish a direct connection with the system in question and operate it using remote control by double-clicking or tapping on it twice. For the remote connection, you will need:

• the VNC Server² to be running on the device you want to monitor

² CPC3 use Real VNC, other devices TigerVNC

• VNC Viewer³ to be installed on the device you want to monitor

(Is pre-installed or supplied as a setup under c:\WirelessProfessional\CPC Tools\TigerVNC\windows\). Once all the configurations are complete, confirm with or.

Note: A remote facility may be a system from the multiControl *plus* series (XML version 1) or a Wireless-Professional system. The type of remote access can also be selected.

Note: Shall be a VNC connection to a CPC3 estatablished, the VNC Port is set to 5900. For all other devices the VNC Port is set to 5901.

😞 Remote Facility		? ×
Name:	WLTouch	
Remote computer:	10.2.0.41	Port: 80
		VNC Port: 5901
	Cancel Test	Test Connection
Update delay:	1 minute	•
Remote access:	No access	•
	No access Web browser	
	VNC client	

Figure 70: Connection test for remote facility

³ CPC3 use Real VNC, other devices TigerVNC

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All the systems to be monitored are listed along with their name, IP address and status. The configuration menu of the system in question can be called up again and edited by selecting the Edit Remote Facility button. Systems highlighted accordingly can be removed from monitoring by selecting the Delete Remote Facility button.

The VNC Viewer's file path can be selected using the button in the bottom right. The VNC Viewer folder is usually located at C:\Program Files\TigerVNC. Select the vncviewer.exe file and click on Open. If the installation path differs from the default one, select the path accordingly.

 - «Facility» (connected and runn File Options Help 	ing]				-	a ×
🔗 Wi	ireless Pr	ofessional	•	S V		■English ・ Help ・
	roups Maps Email Installation	Network Information				System Data
	Timer Remote Fadilities System	Maskeu			500	System Data
					New Remote Fadility Edit Remote Fadility Delete Rem	note Facility
Name	Remote Host	Status				
WLTOUCH	10.2.0.41 \varTheta					
Path to VNC client: C-IDe	ogram Files\TigerVNC\vncviewer.exe					
	Program Files\Mozilla Firefox\firefox.exe					
Own port: 80						

Figure 71: Overview of remote facilities

The number of systems which can be monitored is limited to 1 by default and can be extended by means of activation (see Section 5.16).

For more information about extending the system, please contact your distributor.

In the General view, along with the main system you will now also see the systems to be monitored by the main system.

Page 65

Wireles	s Profession		<u>ب</u>	0 B English Help
al Alarm List Groups Maps Email	Installation Network Information		Adivate Energy Save Block Luminair	es Loga
			Start Function Test Start Capacity Test Retract Emerge	ncy Follow
Name		No. Groups 0	Status	
ity> UCH		0	Operational	

Figure 72: Monitoring of remote facilities

Remote access to the system in question is established by double-clicking or tapping twice in the "No. Groups" or "Status" column of the respective system.

💿 Rem	ote Facility X
1	VNC client for 10.2.0.41 started.
	OK
Figu	re 73: VNC Client started

When the password prompt appears, unless you have changed it, enter the default password "123456" and confirm with OK.

9	Password:	
•		
		OK 🖉 Cancel

Figure 74: Entering password for VNC Client

You now have complete access to the remote system in the window on screen.

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$\overline{\mathbf{Y}}$	Vireles	s Profe	essional	• K	V I		🕼 Hilfe	e
gemein F	ehlerliste Gruppen G	Gebäudepläne						
	O Fehler O Test Name		dualisiere	Anzahl Gruppen	a Batriaksharait	Status		Log
TOUCH 1st	floor			0	Betriebsbereit			

Figure 75: Access to remote facility

5.12.5**"System" View**

You access the **System** view by selecting the **System** tab in the **Installation** view.

In the System view, contact details for the installer are entered and other settings affecting the entire system are configured. Figure 76 shows a screenshot of the **System** view.

	seem new and then meanings.
Вох	Meaning
First name, Last name,	Installer's contact details. These contact details are displayed in the
Company, Phone, Email	Maintenance Due reminder window.
System name	Name of the WirelessProfessional system
Project name	Name of the project
Time to connection error	Time between a radio fault occurring and an error being reported. This parameter applies to all devices other than IO boxes.
Time to connection error for IO Boxes	Time between a radio fault to an IO box occurring and an error being reported. Alongside the error message, the relay of output 1 on the IO box (event device error function) also de-energises.
Fire alarm overrun time	Time between the fire alarm signal being deactivated and the emer- gency luminaires being switched off. If Manual Retraction is selected, the overrun time has to be manually terminated using the Reset fire alarm overrun time button in the General view.
Commands waiting	Number of commands which are still waiting to be transmitted to a de- vice
Commands in execution Table 25: Boxes in System view	Number of commands in the USB coordinator's output buffer

Table 25 lists the boxes in the **System** view and their meanings.

The longer of the two **Time to connection error** or **Time to connection error for IO Boxes** times is also the minimum period for which the automatic test system remains in the **Starting system** operating status (colour symbol) after a reboot. The system cannot switch to the **No error message** status (colour symbol) before this time due to an error being present before the time when the system launches this will result in an error message after the **Time to connection error** time.

- «Facility» (connected and running			- 0 ×
ile Options Help			
🔗 Wi	reless Professional	· · · · · · · · · · · · · · · · · · ·	GB English 🧐
General Alarm List Grou			
OK 🖸 Error 🌻			Save System Da
Configure Groups Test	Timer Remote Facilities System		
		Serial Connection Change Installer Password Reset Fadility Manager Password Import Inspection Log Export Groups R	econnect All Devices
First name:	John	The concession instance and a second second instance instance and concerning in	
Last name:	Smith		
Company:	ABC Utilities Management		
Phone:	071 1234567		
Email:	smith@abc-utilities.com		
System name:	<fadilty></fadilty>		
Project name:			
Time to connection error:	10 minutes *		
Time to connection error for IO Boxes:	10 minutes *		
Emergency follow-up time	Manual Retraction *		
Commands waiting: Commands in execution:	0		

Figure 76: System view, installer user level

If installation has been interrupted or if the coordinator is changed, the system ID must be re-entered in all devices. This is done using the Reconnect All Devices button. During this process, the system assignment is temporarily deleted from the devices. They will continue to be shown in the **Registered nodes** area. Devices of other systems within range are temporarily shown in the **Unknown nodes** area (8.7).

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Warning: The Reconnect All Devices function is performed in all other systems within range. Given that this process involves a high volume of radio traffic, it may take several hours to complete. Once you have made changes in the **Configuring Groups** view, select Save System Data to confirm the changes. The functions listed in Table 26 can be performed using the buttons in the **System** view.

Button	Function	User level
Serial Connection	Manual selection of port for USB coordinator	Installer
Change Installer Password	Change the installer password	Installer
Reset Facility Manager Pass- word	Reset the facility manager password to 1111	Installer
Import Inspection Log	Not implemented	Installer
Export Groups	Exports the group structure into a file with comma-separated formatting (comma separated values, csv)	Installer
Reconnect All Devices	All devices assigned to the system are allocated the system ID of the coordinator currently con- nected	

Table 26: Functions of the System view

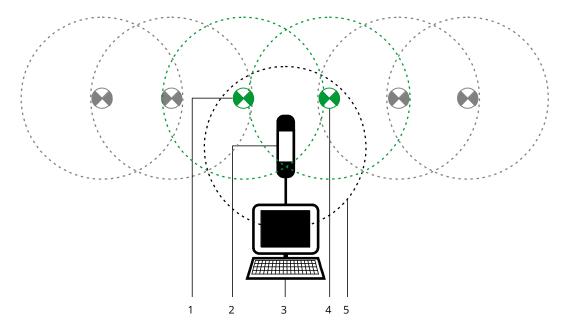
Once you have made changes in the System view, select Save System Data to confirm the changes.

5.13"Network Information" View

You access the **Network Information** view by selecting the **Network Information** tab. The **Network Information** tab is only available at the **Installer** and **Distributor** user levels.

The top part of the **Network Information** view shows the radio signal strength of the devices, which have a direct radio connection to the USB coordinator. The devices with a direct radio connection to the USB coordinator are highlighted in Figure 77. Figure 78 shows a screenshot of the **Network Information** view. The height of the bar indicates the radio signal strength. The device addresses are displayed above the bar.

Once a signal from a device has been received and the radio signal strength measured, a 4-minute timer is started. While the timer is running, the colour of the radio signal strength bar for this device changes from green to grey. If the 4-minute timer has expired without a new measurement being taken for the device, the device is removed from the view.



- 1. Device with a direct radio connection to the USB coordinator
- 2. USB coordinator
- 3. Computer
- 4. Device with a direct radio connection to the USB coordi-

Figure 77: Devices with a direct radio connection to the USB coordinator

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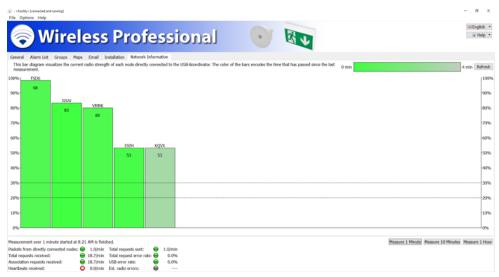


Figure 78: Network Information view, installer user level

The bottom part of the **Network Information** view serves to measure various radio network parameters This can be useful for problem-solving. If a measurement is needed, the distributor will handle this or will ask you to take the measurement and provide him or her with the results.

Start the measurement by selecting the Measure 1 Minute, Measure 10 Minutes or Measure 1 Hour button. Before starting a measurement lasting more than one hour, set the logout time in the Email view to **never** and confirm the change with **Save System Data**.

With the "Increase USB traffic" checkbox, the number of data packets between the coordinator and the WirelessProfessinal software can be artificially increased. The checkbox is automatically deselected when exiting the network information or after starting the measurement.²

Table 27 lists the measurements and their meanings.

² Should only be used in consultation with a service technician

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Measurement	Meaning
Packets from directly con- nected nodes	Number of radio packets per minute from devices with a direct radio connection to the USB coordinator. The colour symbol of this meas- urement turns yellow or red if too many devices have a direct radio connection to the USB coordinator.
Total requests received	Total number of requests per minute from devices to the automatic test system
Association requests received	Number of requests per minute from devices not yet installed in a system.
UART sent / received from coordinator	Number of radio packets sent by the WirelessProfessional software to the USB coordinator and number of data packets received by the USB coordinator
UART send error rate	Error rate calculated from the ratio of packets sent and packats re- ceived by the recipient
Heartbeats received	Radio network measurement
Total requests sent	Number of requests per minute from the automatic test system to devices
Total request error rate	Percentage of requests, which cannot be transmitted to the devices.
Estimated radio error rate	Percentage of incorrect data packets in radio traffic.
USB error rate	Percentage of requests, which cannot be transmitted to the USB co- ordinator via the USB connection.
UART receive error rate	Error rate calculated from the ratio of packages received and pack- ages sent by the sender

Table 27: Measurements in the bottom part of the **Network Information** view

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5.14"Distributor "View

You access the **Distributor** view by selecting the **Distributor** tab. The **Distributor** tab is only available at the distributor user level.

In the **Distributor** view, the contact details and logo of the distributor are entered and other settings affecting the entire system are configured. Figure 79 shows a screenshot of the **Distributor** view. Table 28 lists the boxes in the **Distributor** view and their meanings.

Вох	Meaning
Company, Contact person, Phone, Email	Distributor's contact details. These contact details are displayed in the Mainte- nance Due reminder window.
Logo	Logo, which is displayed in the WirelessProfessional software between the menu bar and General , Alarm list etc. tabs. If the distributor does not load his or her individual logo, the WirelessProfessional logo is displayed. Figure 79 shows the Distributor view along with the distributor's logo. Pressing the Search button opens a window for selecting the logo file from within the directory structure. The logo is only adopted in the display once the Save System Data button has been clicked on. The Reset button resets the logo to the WirelessProfessional logo.
Maintenance notifi- cation	The WirelessProfessional software displays maintenance notifications at the times defined by the maintenance interval. The Maintenance view can only be called up via the Help menu if Maintenance notification is selected.
Next maintenance	Time at which the WirelessProfessional software displays the reminder window for the system maintenance due. Once maintenance has been completed, the date for the next maintenance is increased according to the maintenance in- terval.
Maintenance inter- val	Time between completed maintenance and the next maintenance notification.
Maintenance pass- word protected	Password that has to be entered in the Maintenance view in order to confirm maintenance. The maintenance password is generated automatically by the WirelessProfessional software from the address of the USB coordinator and cannot be chosen by the user.
Maintenance plan 1- 3	File paths to the maintenance plans and texts of links to the maintenance plans in the Maintenance view
Send maintenance emails	If the checkbox is ticked, sends emails containing a reminder that the mainte- nance date is due.
Reduce duration test duration	The time over which the duration test is run can be reduced here from the full measurement period to 2/3 of the measurement period.
Reset errors	Activating this function allows the corresponding user level to reset error mes- sages that the WirelessProfessional system outputs.

Table 28: Boxes in Distributor view

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- diacity (consected and running) ile Options Help ABC Technik) Mago Email Installation Network Information Distributor	– 0 > acryph a Help -
Company:	ABC Technik	Adarowledge Tests Reset Invalid Devices Change Distributor Pessword Reset Installer Pessword Sive System Data
Contact person:	Max Mustermann	
Phone:	030 1234567	
Email:	mustermann@abc-technik.de	
Logo: Registration: Registration after:	BANNER ABC-Technik.png	Search Reset
Maintenance notification: Next maintenance: Maintenance interval: Maintenance plan 1: Maintenance plan 2: Maintenance plan 3:	6/24/20 ~ Yearly • H: D Password: (mp Text: (Wartungsplan ad Deutsch Text: (Wartungsplan ad Deutsch Text: Fakt: Fak	File: C:\WitelessControl\Dok\Wartungpolan.pdf File: C:\WitelessControl\Dok\Wartungpolan.pdf File: C:\WitelessControl\Dok\Wartungpolan.pdf
Send maintenance emails:	0	
Reduce capacity test duration:	₩ Full autonomous time O 2/3 autonomous time	

Figure 79: Distributor view, distributor user level

The functions listed in Table 29 can be performed using the buttons in the **Distributor** view.

Button	Function	User level
Acknowledge Tests	Removes all entries of failed test results (duration test, func- tion test) from the Alarm List view. The failed test results are not removed from the test run progress and the fact that the Acknowledge Tests function has been run is en- tered in the test run progress. Should there be emergency luminaires with a failed test result, the test in question as- sumes an orange colour symbol in the device details win- dow for the emergency luminaire and the error is displayed as "acknowledged" when the cursor is held over the colour symbol. The Acknowledge Tests function serves to allow the dis- tributor to exit the customer's system without error mes- sages if an error has arisen during a duration test and the error has been remedied but the emergency luminaires need charging for 20 h before the next duration test.	Distributor
Reset invalid devices	Registers the firmware of invalid devices in the system. The Invalid device error message may appear if the firmware of a device already installed in the system is being updated.	Distributor
Change Distributor Password	Change the distributor password	Distributor
Reset installerpass- word	Reset the installer password to 2222	Distributor
Cause Custome Data	Course also a sector the source and	Distuils star

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5.15"Maintenance "View

The **Maintenance** view can only be reached via the **Help** menu or the maintenance notification. The **Maintenance** entry in the **Help** menu is only enabled if the distributor has activated the maintenance function. The **Maintenance** view can be seen at all user levels. Figure 80 shows a screenshot of the **Maintenance** view.

 > - (Facility> [connected and running] File Options Help 	- 0° ×
🤿 Wireless Professional 🛛 🔹	GB English •
General Maintenance Alarm List Groups Maps Email Installation Network Inform Maintenance password:	Confirm Maintenance Cancel
IO Boxes: Name Address * 4 Ad	
Unknown Devices: Luminaires: 63 Repeaters: 0 IO Boxes: 1	
Network Statistics: Measurement has not been started. Packets from directly connected nodes: Total requests sent: Total requests received: Association requests received: Heartbeats received: Total request received: For the structure Packets received: For the structure For the structure <td>Measure 1 Minute Measure 10 Minutes Measure 1 Hour</td>	Measure 1 Minute Measure 10 Minutes Measure 1 Hour

Figure 80: Maintenance view, facility manager, installer or distributor user level

Click or tap on the **Maintenance plan in English** link to open the corresponding maintenance plan. The maintenance plan contains detailed instructions about how to maintain the system.

One element of maintenance is checking that the relays of the IO boxes are fully functional. The system's IO boxes are listed in the **IO Boxes** area. Double-clicking or tapping twice on the entry for an IO box in the **IO Boxes** area opens the device details window for this IO box. The relays can be switched over for the check using the **T** buttons in the Configuration view (also refer to Section 5.17.3).

Selecting the <u>Confirm Maintenance</u> button ends the maintenance, closes the maintenance window and increases the timer for maintenance to the next maintenance date. In some circumstances, the <u>Confirm</u> <u>Maintenance</u> button is password protected. On the left-hand side of the **Maintenance** view, enter the maintenance password before ending maintenance with <u>Confirm Maintenance</u>.

5.16"Activation" View

If a function in the system requires activation, one of the places where this is indicated is in the alarm list for your system. To see this, click on the **Alarm List** tab. These messages are also displayed under the **Groups** and **Installation**, **Configuring Groups** menu items.

		- 0 ×
SWireless Professional	• RU	التي المراجعة عنها المراجعة ال المراجعة المراجعة الم
General Alarm List Groups Maps		
Name Address Device Type Status CR., O Feature activation required one remote facility		Inspection Log Operationtime Log Communications Log System Log Login

Figure 81: Activation required

To open the activation menu, right-click on **Help** and then on **Activation** in the drop-down list which opens.



Figure 82: Accessing Activation menu

The current actual system status (default delivery status: 250 devices, 5 timers, 1 device which can be monitored) is displayed here and you can enter an activation code to increase the max. number of devices which can be monitored, the number of timers which can be used and the number of remote systems you want to monitor.

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Select the features you want to activate by clicking in the circles next to the corresponding option. A request code is generated under "Request Activation Code" using the features you have put together that you want to activate.

Several features can be requested with one request code.

Please send this code to your distributor. Your distributor will send you the activation code you can use to activate and use the features you requested.

You can use the Copy to Clipboard button to manually add the request code to an email, for example. Pressing the Send email... button automatically sends the request code to the email address stored for the distributor. The Save as file... button allows you to save the request code as a text file.

ile Options Help					-	a >
🔿 Wireless Pro	fessional	•	Ci L		🖙 English 🥥 H	ielp -
General Features Alarm List Groups Maps Email Installatio	in Network Information Distributor				14 Day(s) Trial Version	Clore
Trial Version: Trial version can still be activated.					14 Day(s) mar ve som	Crose
Features:						
1. Select the features that you want to activate.						
+0 additional devices (250 total)						
+250 additional devices (500 total)						
 +500 additional devices (750 total) 						
 +750 additional devices (1000 total) 						
* +0 additional remote facilities (1 total)						
 +5 additional remote facilities (6 total) 						
 +10 additional remote facilities (11 total) 						
# +0 additional timers (5 total)						
O +10 additional timers (15 total)						
Request Activation Code:						
2. Send this request code to your service partner.						
Request code: SH08EXDM1GV2WYACLX68S22RVV960X3A						
Copy to Clipboard		Send Email		Save as File		
Activate Features:						
	your service partner, and click "Activate".					
3. To activate the features, enter the activation code, that you got from y						Activate

Figure 83: Overview of Activation menu

Now enter the activation code, which you received from your distributor. If successful, you will get the following message.

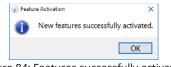


Figure 84: Features successfully activated

If an invalid code is entered, this error message appears.

📀 Featu	re Activation		×
\otimes	This activa	ition cod	e is invalid.
			OK

Figure 85: Invalid activation code

If WirelessControl devices (devices up until April 2016) are assigned to your system, a warning symbol will appear in the Activation menu. Information telling you which devices comply with the WirelessControl specification can be found under Details.

Note: If the list is empty, only the coordinator does not comply with the WirelessProfessional specification.

Note: Activation for additional luminaires, remote facilities or timers is indicated by the ID of the associated coordinator. This means that a system can be easily moved to a new PC without the activations being lost. If you want to change the coordinator, please contact your distributor. When updating to Wireless Professional 2.3., activations in place are linked to the associated coordinator.

- «Facility» (connected and running) le Options Help					- 0 >
🔿 Wireless	Professi	ional	•	9	≅English ⊈Help
eneral Features Alarm List Groups Maps					
rial Version: Trial version can still be activated.				14 Day(s)	Irial Version Close
1. Select the features that you want to activate.					
 +0 additional devices (250 total) 					
# +250 additional devices (500 total)					
 +500 additional devices (750 total) 					
 +750 additional devices (1000 total) 					
Older devices installed. A hardware upgrade mi	ght be required.				Details
Name V « Facility» = Luminaire001 = Luminaire002	Type Address Device Type (group Juminaire FWEC KMU003 2 Juminaire 4ANK VMx003 2	182065			
+0 additional remote facilities (6 total)					
 +5 additional remote facilities (11 total) 					
 +10 additional remote facilities (16 total) 					
+0 additional timers (5 total)					
 +10 additional timers (15 total) 					
equest Activation Code:					
. Send this request code to your service partner.					
tequest code: 0AW3VH5XXQH56M38H5D0QLC2HF	MR29R4				
Copy to Clipboard	1		Send Email	Save as File	
ktivate Features:					
I. To activate the features, enter the activation code					

Figure 86: Overview of Wireless Control devices

5.16.1 **14 Days Trial Version**

Press the 14 Day(s) Trial Version button to activate all features of the WirelessProfessional for free for a period of 14 days. You can test all the features for free during this time. Once the trial period is over, all non-activated features are blocked.

You will find information about the remaining trial period in the Activation menu.

Note: This activation can only be undertaken once!

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5.17 Device Details Window

Click or tap twice on a device entry in the **Alarm List**, **Groups** or **Configuring Groups** views to open the device details window for the device. This window differs depending on the device type. The device details window can be opened at all user levels. However, the entries can only be edited at **Installer** user level.

5.17.1 Device Details Window for Emergency Luminaire

The device details window for emergency luminaires allows the name/mounting location of the emergency luminaire to be entered and the operating mode to be switched between non-maintained and maintained operation. The position of the emergency luminaire on the map, its address and the results of the last three tests are displayed in the details window. If you hover the cursor above one of the colour symbols of the test results or tap on them, the time of the test and the result are displayed in plain text.

The luminaire transfers the time of the last reset to the control centre. A reset happens when the power supply fails (excessive discharge).

The Information tab contains not only information about the set operating mode and set duration for tests but also information about the up time. The up time indicates the time since the last power supply failure or luminaire reset. A duration test is only carried out after an up time of more than 20 hours.

Device Details		د
Notleuchte001		
General Information		
Settings Position: Notleuchte001 Operating mode: Non-maintained Luminaire Position on map: Address: J2UU		
Test results		
Succeeded S Falled Last 3 manual function test results: N/A Last 3 manual capacity test results: N/A Last 3 automatic function test results: N/A Last 3 automatic capacity test results: N/A	N/A N/A N/A N/A	Failed, but Confirmed N/A N/A N/A N/A
		OK Cancel

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Notleuchte001				
General Information				
Hours of operation: Up time:	0 h 21 hours, 47 min	ites		
Type:	Luminaire	1005		
Operating mode:		uminaire, switchable	e	
Function test duration		,		
Capacity test duration	: 3 hours			
Autonomous time:	3 hours			
Minimal voltage:	3.6 V			
Maximal voltage:	6.8 V			
			OK	Cano
			0.0	
			<u>on</u>	·
) Device Details				
Device Details			0	
Device Details				
Notleuchte001				
Notleuchte001				
General Information Settings				
General Information Settings Position: Not	feuchte001	aire •		
General Information Settings Position: Not Operating mode: Not	feuchte001			
General Information Settings Position: Not Operating mode: Not	leuchte001 n-maintained Lumin			
General Information Settings Position: Not Operating mode: Not Position on map: Not Address: J20	feuchte001			
General Information Settings Position: Not Operating mode: Not Position on map: Address: J20 Test results	feuchte001 n-maintained Lumin n-maintained Lumin ntained Luminaire U	aire		
General Information Settings Position: Not Operating mode: Not Position on map: Not Address: J20 Test results Succeeded	feuchte001 n-maintained Lumin n-maintained Lumin u U E Faile	aire d <u>A</u>	Failed, but C	onfirmed
General Information Settings Position: Not Operating mode: Not Address: J20 Test results Succeeded Last 3 manual function	feuchte001 n-maintained Lumin n-maintained Lumin ntained Luminaire U Salle n test results: N/	d d	Failed, but C	onfirmec
General Information Settings Position: Not Operating mode: Not Operating mode: Not Address: J20 Test results Succeeded Last 3 manual function Last 3 manual capacit	Ieuchte001 n-maintained Lumin n-maintained Lumin ntained Luminaire U Faile n test results: N/, y test results: N/	d d A N/A A N/A	Failed, but C N/A N/A	onfirmec
General Information Settings Position: Not Operating mode: Not Address: J20 Test results Succeeded Last 3 manual function	feuchte001 n-maintained Lumin n-maintained Lumin ntained Luminaire 0 Faile n test results: N/, y test results: N/, tion test results: N/,	d d A N/A A N/A A N/A	Failed, but C	onfirmed

Figure 87: Device details window for emergency luminaire

Device type	Function
Maintained emergency lumi-	Luminaire for continuous lighting and for instances when the
naire	power supply to the general-purpose lighting fails
Non-maintained emergency	Luminaire for instances when the power supply to the general-
luminaire	purpose lighting fails

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5.17.2 Device Details Window for Repeaters

In the **Device Details window** for repeaters, you can set the name/mounting location of the repeater and display its position on the map as well as its address.

😨 Device Det	ails		×
🧐 Re	peater001		
General	Informa	ation	
Settings			
Position	:	Repeater001	
Operatir	ng mode:		
Position	on map:		
Address	e -	G860	
		ОК	Cancel

Figure 88: Device Details window for repeaters

5.17.3 Device Details Window for IO Boxes

In the General view in the Device Details window for IO boxes, you can set the name/mounting location of the IO box and display its position on the map as well as its address. The current status of the mains voltage at the IO box, the switching status of the three outputs (K1-K3) and two inputs (E1, E2) can also be shown using the same colours as the displays on the IO box.

Device Details	×
lO Box001	
General Configuration	
Settings	
Position: IO Box003	
Operating mode:	
Position on map:	
Address: FSD6	
(WirelessControl
N	tz K1 K2 K3 € 1 E2
	OK Cancel

Figure 89: Device Details window for IO boxes, General view

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The IO box's inputs and outputs can be configured in the **Configuration** view of the Device Details window for IO boxes.

Device Details	×
IO Box001	
General Configuration	
Overview	
Hours of operation: 0 h	
Type: IO Box	
Settings	
K1 T K2 T	K3 T
Device Error, <facility></facility>	
WirelessControl	
💿 IO-BOX	
Netz K1 K2 K3 🐼 🖨 🥌	
E1	E2
	OK Cancel

Figure 90: Device Details window for IO boxes, Configuration view

In the **Configuration** view, select the K2 or K3 buttons to configure outputs 2 or 3 on the IO box. Figure 90 shows the window for configuring the outputs. The event required to trigger the output switching, is selected in the **Output State** area. Table 30 explains the meanings of the events listed. In the **Groups applying** area, you can select the groups in which the selected event has to occur in order for the output to be switched. If **Energy Save / Activate**, **Manual Fire Alarm Active** or **Disabled** is selected as the event, the groups selection is disabled because these events always affect the entire system.

Configure IO Box	Output 2	×
Output State:	 Test Running Last Test Failed Maintained Luminaires switched Non-Maintained Luminaires switched Luminaires Blocked Energy Save / Activate Manual Fire Alarm Active Disabled 	-
Groups applying	g: C <facility> C EG C 1.0G</facility>	cel

Figure 91: Configuring the IO box output

Event Function **Test Running** Output is switched for the duration of the test **Last Test Failed** Output is switched as a result of a failed test **Maintained Luminaires switched** Output is switched if at least one maintained emergency luminaire is switched off **Non-Maintained Luminaires switched** Output is switched if at least one non-maintained emergency luminaire is switched on Output is switched if at least one emergency lumi-Luminaires Blocked naire is in remote inhibiting mode **Energy Save / Activate** Output is switched if all switchable emergency luminaires are switched off **Manual Fire Alarm Active** Output is switched if the signal at the fire alarm input on the IO box is enabled Disabled Output is disabled

Table 30: Output states of outputs

Output 1 (K1) is always allocated the **Event Device Error** function and cannot be configured. The relay of output 1 de-energises as soon as a device in the system reports an error. The relay of output 1 will only de-energise with the **time to connection error for IO boxes** delay if the radio connection between the IO box and automatic test system is interrupted. The **time to connection error for IO boxes** duration is set in the **Installation/System** view (Section 5.12.5).

The function of the output relays can be checked by pressing the **T** buttons in the **Configuration** view. The **T** buttons switch over the relay of the respective output. As soon as the **Configuration** view is exited, the relays of outputs K1-K3 are reset to the switching state and matches the configuration of the respective output.

In the **Configuration** view, select either the **E1** or **E2** button to configure the inputs on the IO box. Figure 92 shows the window for configuring the IO box inputs. A name can be assigned in the **Input Name** area. The process is triggered by the signal at the input and is selected in the **Operating Mode** area. Table 31 explains the operating modes of the inputs. In the Logic level area, select whether the event is triggered by a high level (high-active) or by a low level (low-active) at the input. The groups affected by the process are selected in the **Groups to switch** area. If **Energy Save / Activate**, **Manual Fire Alarm Active** or **Disabled** has been selected as the process, the groups selection is disabled because these events always affect the entire system.

-		
Configure IO Box (Output 2	×
Output State:	○ Test Running	
	○ Last Test Failed	
	\odot Maintained Luminaires switched	
	\odot Non-Maintained Luminaires switched	
	○ Luminaires Blocked	
	○ Energy Save / Activate	
	○ Manual Fire Alarm Active	
	💿 Disabled 🛛 😓	
Groups applying	EG I I.OG	
	ОК Са	ancel

Figure 92: Configuring the IO box input

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Operating mode	Function
Switch Maintained Luminaires	Switches maintained emergency luminaires on/off
Switch Non-Maintained Luminaires	Switches non-maintained emergency lumi- naires on/off
Start function test	Starts a function test
Block luminaires	Puts emergency luminaires into remote inhib- iting mode
Energy Save / Activate	Switches all switchable emergency luminaires off / switches all maintained emergency luminaires on
Manual Fire Alarm Active	Switches all switchable emergency luminaires on
Emergency mode 1h	Switches selected groups into emergency mode for 1 hour (not available in all regions)
Disabled	Disables this input

Table 31: Operating modes of IO box inputs

5.18 **Menus**

The menu bar is located under the title bar of the WirelessProfessional software window. **The menu bar is not displayed in full-screen mode!** You can use the Alt + Enter key combination to switch between full-screen mode and the normal viewing mode.

To exit full-screen mode, you must enter a password. After exiting full-screen mode, login to the user level of the corresponding password is enabled.

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5.18.1 File Menu

Figure 93 shows a screenshot with the File menu expanded. Table 32 explains the entries in the File menu. The Inspection Log, Communications Log and System Log menu functions correspond to those in the **Alarm List** view.

- «Facility» (connected and running) e Options Help						- 0 >
Inspection Log Operationtime Log Communications Log System Log	ess Profess	sional	· 🕅			🖾 English 🐨 Help
Quit Application energy Atarm List Groups Maps						
	Blocked 🕄 Updating					Login
Facility>	Name		iroups 0	Operational	Status	

Figure 93: File Menu

Menu entry	Function
Inspection Log	Opens the test run process. See Section 0 A function or duration test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3). Test run progress
Operationtime Log	Not implemented
Communications Log	Opens the communications log. See Section 5.7.2 Communikations log
System Log	Opens the system log. See Section 5.7.3 System log
Quit Application	Closes the WirelessProfessional software
Table 32: File Menu	

Table 32: File Menu

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5.18.2 Options Menu

Figure 94 shows a screenshot with the **Options** menu expanded. Table 33 explains the entries in the **Options** menu.

Facility's (connected and running) Options Help			- 0
Serial Port Start Function Test Start Capacity Test Put Message into Inspection Log	Professional	· 🕄 🗸	ui Englisi v Hol
Logout Toggle Fullscreen ("Kiosk-Mode") (ALT+ENTER)	tion Network Information		
Toggle Fullscreen ("Kiosk-Mode") (ALT+ENTER)	Jating		Activate Energy Save Block Luminaires Log
			Start Function Test Start Capacity Test Retract Emergency Follow
Name Ilty>		No. Groups 0	Status Gerational

Figure 94: Options Menu

Menu entry	Function	User level
Serial Port	Manual selection of port for USB coordinator	Anyone
Start Function Test	Starts a function test for all emergency luminaires	Facility manager, in- staller
Start capacity Test	Starts a duration test for all emergency luminaires	Facility manager, in- staller
Put Message into Inspec- tion Log	Manual input of messages into test run progress	Anyone
Login / Logout	Login / Logout as facility manager or installer	-
Toggle Fullscreen Table 33: Options Menu	Toggles into full-screen mode	Anyone

Table 33: Options Menu

A function or duration test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3).

5.18.3**Help Menu**

Figure 95 shows a screenshot with the **Help** menu expanded. Table 34 explains the entries in the **Help** menu.

Menu entry	Function
Contact	Shows the installer's contact details.
Show Support In- formation	Shows the device address of the USB coordinator (device number), the date on which the WirelessProfessional software version was created (build date) and the contact details of the installer and distributor (Figure 96)
Activation	Opens the Features view. Additional devices, additional remote facilities and additional timers can be activated here.
Perform Mainte- nance	Opens the Maintenance view. The Maintenance entry is only enabled if the distributor has activated the maintenance function
Software Update	WirelessProfessional can be updated as of version 2.1. A corresponding update file can be selected and loaded onto the system in the Software Update view.
Toggle Fullscreen	Software is switched to full-screen mode
About	Shows the software version, build date and manufacturer
Table 24. Liste Manage	

Table 34: Help Menu



Figure 95: Help Menu

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There are two ways of accessing the Help menu. Firstly, using the top task bar and secondly on the righthand side using the button in the banner. There is however one difference between them. If you access via the button in the banner, the software can be switched to full-screen mode but this option is not available under Help accessed using the top task bar.

© Send Support Information X
General
USB-Koordinator address: 1FYA
Device number: 4294967274
Build date: Monday, July 1, 2019
Installer
First name: John
Last name: Smith
Company: ABC Utilities Management
Phone: 071 1234567
Email: smith@abc-utilities.com
Distributor
Company: ABC Technik
Contact person: Max Mustermann
Phone: 030 1234567
Email: mustermann@abc-technik.de
Order No:
Save Cancel

Figure 96: Support information window

6 Other Software

WirelessProfessional systems are delivered with pre-installed and configured additional programs. For details, please consult the user manual of the respective hardware.

With the WirelessProfessional Setup for Windows, the installers of the additional program or the additional program as a portable version, which are current at the time of release, are included and stored in the WirelessProfessional folder. Table 36 gives an overview of the supplied utilities.

A license is required for some of the auxiliary programs in order to be able to use the software.

Software	Function	Licence
VNC Server	Remote desktop software for connections in the local network. Download the client (VNC viewer) from https://www.realvnc.com/download/	Server: Licence needed, www.realvnc.com Client: no licence needed
Teamviewer Portable	Remote desktop software for connections via the Internet. Download the client (Teamviewer All-in- one) from http://www.teamviewer.com/de/down- load/index.aspx	Server(host): no licence needed Client: Licence needed, https://www.teamviewer.com/de/licens- ing/index.aspx
RustDesk ⁴	Remote desktop software for connections via the Internet.	No licence needed

Table 35: Other pre-installed software

⁴ A private ID server is operated in Europe for remote access to WirelessProfessional products. The server ID must be updated manually.

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7 Networking Systems

The following section describes how the TigerVNC Server is configured.

Note: If there is no TigerVNC Server installed, first install one. The TigerVNC Server can be found in the WirelessProfessional software package.

1. Launch "Configure VNC Server" from the Start menu

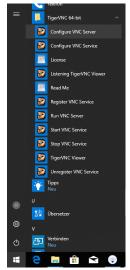


Figure 97: Windows - quick-start menu

2. Configure can be used to assign a connection password.



Figure 98: TigerVNC Server settings

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3. Change the port to 5901 under "Accept connections on port".



Figure 99: TigerVNC Server connections

- 4. Confirm with oκ.
- 5. Launch "Run VNC Server" from the Start menu. This link must be saved in the start-up so that the TigerVNC Server is launched automatically with Windows.

Windows 10

- Press the "Windows key + R" key combination
- Enter the command "shell:startup" and then click on "OK"
- Your system's start-up folder is now automatically called up via Windows Explorer.
- To add a new program to the start-up, click on the Windows symbol in the bottom left in the task bar and search for the desired program in the list. Then simply drag&drop the entry into the start-up folder.
- Windows will now automatically produce a link to the program you have selected. The next time the system is launched, this program will load automatically.

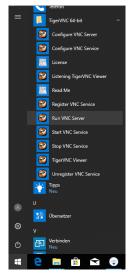


Figure 100: Windows - quick-start menu

6. There is a new symbol for the TigerVNC in the task bar and this shows that the server is running.

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7.1.1 IP Address

For the Wireless Professional software to be able to monitor another device via Ethernet, there must be a network connection between the devices.

Admin rights are needed in the device to set up the network adapter properties. If you do not have these rights, please contact your administrator or distributor.

If the monitoring device is not in the same IP address space as the device requiring monitoring, an appropriate route must be created from one IP address space via a gate to the other address space.

The network route is set up in the operating system. Contact your administrator.

A device requiring monitoring can be addressed by the Wireless Professional software both using the DNS and the IP address. For the device to be addressed via DNS, the name server must be entered during network configuration.

The DNS is set up in the operating system. Contact your administrator.

8 Problem-Solving

8.1 During the Installation, a Device Address is Not Shown in the Unknown Nodes Area

Check the following in the order stated:

- 1. Check that the device is connected to the mains voltage (emergency luminaires: Is the charge check indicator lit up? IO box: Is the green indicator lit up?)
- 2. If the device is connected to the mains voltage: Go to 2
- 3. If the device is not connected to the mains voltage: Connect the device to the mains voltage.
- 4. Check whether the device is transmitting a radio signal. Run the USB coordinator with the PC and WirelessProfessional software next to the device. Check whether the device address is displayed in the **Network Information** view.
- 5. If the device address is displayed in the **Network Information**: Go to 3.
- 6. If the device address is not displayed in the **Network Information**: Contact our distributor.
- 7. Check whether the device address is listed under **Unknown nodes** when you run the USB coordinator with the PC and WirelessProfessional software next to the device.
- 8. If the device address is listed under **Unknown nodes**: the radio connection to this device is presumably interrupted because the distance between the devices is too great at one or more points in the radio network.
- 9. If the device address is not listed under **Unknown nodes**, the device has not been correctly registered in this system. To correct this, manually create the luminaire and assign it to the system. Then delete the luminaire again from the system and also from the list of **Unknown nodes**. The luminaire should now automatically appear under **Unknown nodes**.

8.2 Invalid Devices are Displayed in the Unknown Nodes Area

The WirelessProfessional software reports invalid devices if the device firmware is not saved in the WirelessProfessional software. This typically happens when new devices produced at a later date are added to an existing WirelessProfessional system. To update the WirelessProfessional software, contact our distributor.

8.3 After the WirelessProfessional Software is Launched, System Remains in Status is being updated Operating Status

The time for which the automatic test system remains in the **Starting system** operating status (colour symbol \bigcirc) after a reboot is set by the longer of the two **Time to connection error** and **Time to connection error for IO boxes** times. The **Time to connection error** and **Time to connection error for IO boxes** values can be set in the System view (see Section 5.11.4).

8.4 Forgotten Facility Manager Password

The facility manager password can be reset to **1111** by the installer or our distributor. The facility manager password is reset in the **Installation/System** view.

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8.5 Forgotten Installer Password

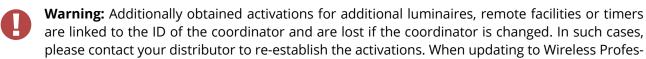
The installer password can be reset to **2222** by our distributor.

8.6 Luminaire Not Sending Connection Requests / Not Appearing in Unknown Nodes Area

Devices which are not automatically detected by the system can be manually added by the user (see Figure 60 onwards).

8.7 Changing USB Coordinator

- 1. Disconnect USB coordinator from PC by removing USB coordinator from USB cable.
- 2. In the software, go to **Installation** \rightarrow **System** and press the Reconnect All Devices button (see Figure 76).
- 3. Close the software. In the top left of the software under **File**, go to **Quit Application** and confirm the following message with or (The USB cache is deleted).
- 4. Relaunch the software.
- 5. Connect the new USB coordinator with the PC.
- 6. Then establish a connection in the software by selecting the serial port (see Section 3.3).



sional 2.3., activations in place are linked to the associated coordinator.

Note: Once the connection to the coordinator has been established, the Wireless Professional software will automatically undertake re-association of all devices by individually disassociating the devices in turn and then re-associating them.

8.8 Reading out the version and build platform of the WirelessProfessional software

The build platform is entered into each log file (test log, communication and system log) when the WirelessProfessional software is started. The information can also be found in the About window in the Help menu.



Technical Data 9

Table 36: Technical data*

Operating frequency		865MHz – 868.6MHz
Tuning range		868MHz +/- 100kHz
Type of modulation		GFSK
Name of transmission		F2DCT (1% duty cycle)
HF channel division		868MHz +/- 50kHz
Transmission bandwidth		300kHz
Transmission	power	10dBm (10mW) -10dBm (0.1mW)
Transmission maximum effective	power	

*For relevant standards and specifications, refer to declaration of conformity

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10 Glossary

Automatic test system (ATS)

Automated test system, which may be triggered by hand, comprising parts (such as internal clock, current detectors, light detectors, selector switches) which are connected together to form a system. This system can perform the routine requirements of tests on emergency luminaires and display the test results (EN 62034:2012)

Autonomy time

In the WirelessProfessional software, the term used for the **rated operating period**.

Battery mode

Status of an emergency luminaire with individual battery, which ensures lighting by supplying power from its in-built current source should the general power supply fail (EN 60598-2-22:1998 + A1:2003)

Rated operating period

Period stated by the manufacturer [of emergency luminaires] for which the rated light current is output (EN 60598-2-22:1998 + A1:2003). Known in the WirelessProfessional software as "autonomy time".

Rated light current of the emergency luminaire

The light current, which according to the manufacturer is output within 60 s (0.5 s for workplaces subject to particular hazards) after a fault to the general power supply and is output from then until the end of the rated operating period (EN 60598-2-22:1998 + A1:2003)

Fire alarm input

Option for configuring the inputs of an IO box. If the signal at a fire alarm input is enabled, all switchable emergency luminaires are switched on. If the fire alarm signal is switched off, the emergency luminaires remain switched on for the duration of the fire alarm overrun time and only then are they switched off again.

Fire alarm overrun time

Time during which the emergency luminaires remain switched on once the signal at the fire alarm input is no longer enabled.

Capacity test

Test for whether the battery of the safety lighting system is supplying the system in line with the limit values for the rated duration of emergency mode (EN 62034:2012)

Remote inhibiting mode

Status of an emergency luminaire with individual battery which is taken out of operation by a remote control unit when the general power supply is present and the luminaire does not switch to battery mode when the general power supply fails. (EN 60598-2-22:1998 + A1:2003) Remote inhibiting mode is only permitted during idle times in operation. Only switchable emergency luminaires can be run in remote inhibiting mode. If the emergency luminaire loses radio contact with the automatic test system, remote inhibiting mode is ended after 15 minutes. Emergency luminaires in remote inhibiting operation cannot be tested and remain in remote inhibiting mode even in the event of a fire alarm.

Function test

Test to establish that the circuit is intact and that a lamp, changeover device and energy source are running as intended (EN 62034:2012)

Masking

A function of the WirelessProfessional software, which suppresses error messages from masked devices. Masked devices can be recognised as such in the Configuring Groups view.

Mains operation

Status of an emergency luminaire with individual battery which is operational in emergency mode when the general power supply is present. In the event of a fault with the general power supply, the emergency luminaire with individual battery automatically switches into battery mode (EN 60598-2-22:1998 + A1:2003)

Emergency lighting

Lighting which takes effect when the power supply to the general-purpose lighting fails (CIE Publication 17.4, EN 60598-2-22:1998 + A1:2003)

Non-maintained emergency luminaire

Luminaire in which the lamps for emergency lighting are only switched on when the power supply to the general-purpose lighting fails (EN 60598-2-22:1998 + A1:2003)

Maintained emergency luminaire

Luminaire in which the lamps for emergency lighting are always continuously powered when generalpurpose lighting or emergency lighting is needed (EN 60598-2-22:1998 + A1:2003)

Emergency luminaire with individual battery

Maintained or non-maintained luminaire for emergency lighting, containing all parts, such as battery, lamp, control unit and test and monitoring equipment, if provided. These parts are located in the luminaire or in its direct vicinity (i.e. within a cable length of 1 m) (EN 60598-2-22:1998 + A1:2003)

Fault to the general power supply

Status in which the general-purpose lighting is no longer able to guarantee the minimum light level over the escape routes and in which emergency lighting is to start up (EN 60598-2-22:1998 + A1:2003)

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11 Revision History

WirelessProfessional – Installation and Software Operation			
Date	Software version/Revision	Comments/Important changes compared to the previous	
		version	
09.07.2014	1.2.0	Creation	
24.09.2015	1.3.0	Update. "Maintenance" and "Other Software" sections added.	
13.07.2017	1.4.0	Updates to WirelessProfessional	
10.11.2017	1.4.1	Corrections	
14.11.2017	1.4.2	Corrections	
16.11.2017	1.4.3	Corrections	
23.11.2017	1.4.4	Coordinator change added	
01.02.2018	1.4.5	Corrections	
19.06.2018	1.4.6	Remote facilities added	
21.08.2019	1.4.7	WL Version 2.2, font, "Technical Data" section added	
16.09.2019	1.4.8	Changes to fire alarm overrun time in Table 8	
07.10.2020	1.4.9	Updates for WL version 2.3	
02.05.2024	1.7	Updates and changes for WL version 2.4.8, added "Multi- Selection" button for Touchscreen operation	

12 List of Key Words

580a9e99-30c8-4bcd-90c2-d5ee57fc044870
9b2343df-fce5-4a34-b586-4982d0bbeadc70
Activate
Address8
Alarm list, view
Automatic test22
Automatic test system94
Battery error
Battery mode94
Block emergency luminaires
Capacity test
Capacity test, configuration of55
Change distributor password70
Change installer password66
Colour symbols27
Communications Log
Configuring groups, view48
Connection error
Connection lost
Device
Device details75
Device types
Distributor, view
Email, view
Emergency lighting
Emergency luminaire with individual battery 95
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