

Press Release

Characters: approx. 2,500

Variable system solutions for individual emergency lighting

Rodgau, Germany, 18 March 2018. As industry 4.0 solution, RP-Technik GmbH provides various systems for web-based monitoring and control of emergency lighting. The product range comprises wireless centres with more than 1,000 self-contained luminaires per system as well as complete systems for up to 50,000 luminaires with central or decentralized power supply. The various systems can be combined with each other and thus, can be specifically adapted to individual requirements. By means of the common web-based visualization surface, combined systems in different buildings or parts of buildings can be controlled centrally. All power supply systems are developed, manufactured and tested in compliance with applicable European and German standards.

Low Power System (LPS)

The LPS concept is suited for smaller projects or for only one fire compartment. Larger projects can be realised by several LPS with a single-master and multi-slave system. Thus, each fire compartment has its own power supply system with its own batteries. Due to the fact that no fire-resistant E30 power cables are required, the LPS is very maintenance-friendly and economic.

Central Battery System (CBS)

The CBS concept is suited for large buildings and supplies up to 96 circuits with a maximum of 1,920 luminaires. The system is installed in an own electrical operation room. As all RPower® batteries can be stored at one central location, it is an efficient and maintenance-friendly solution.

Wireless Professional System (WPS)

The new WPS 2.1 is a unique wireless solution for emergency lighting with self-contained luminaires. By means of the optimized WPS software and depending on the network environment, usage and the query interval, up to 50 Wireless Professional centres can be monitored and operated from one central computer via Ethernet. In this way, with one system the present limit of 1,000 monitored luminaires

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can be exceeded. Now it is also possible to monitor connected LPS and CPS with one single web-based visualization surface.

WPS 2.1 can be used anywhere and is perfectly suited for the retrofitting and upgrading of buildings of any size. The luminaires communicate with each other via integrated wireless modules. Each module is at the same time transmitter and receiver and forms its own mesh network, which is monitored and controlled by radio via a stable 868 MHz network. The WPS is characterized by low installation and operational costs, reduced cabling (no BUS required) and a minimized energy consumption due to timer control.