SH-41-0202-0001-99

SmartCell Wireless Dual Input/Output Device

Product Overview

This device is quick and easy to install, offering reliable wireless integration where conventional wiring is impractical. The unit provides robust dual-channel functionality, combining supervised inputs and volt-free outputs within a single device

Features

Features include battery operation using three CR123A lithium cells, providing up to 10 years' service life under normal conditions, with integrated battery health monitoring. The enclosure is UL94 5VB fire-rated, with a removable 180° opening door, flexible clip-in hinges, and multiple cable entry knock-outs with M20 drill guides for ease of installation

Usage

Outputs provide volt-free changeover contacts for ancillary equipment and can be programmed individually or as part of a group. Combined input/output functionality allows simultaneous or independent operation depending on system configuration. Integrated LED indication provides clear local status (Power, Fault, Active) along with high-intensity indicators for easy identification when operated

This device is compatible with the Excellence system communicating wirelessly with the fire control panel via a Excellence Gateway in hybrid systems



Details

- 10 year battery life based on normal usage
- Dual band 868 MHz operation
- 2x resistor monitored inputs
- 2x voltage free outputs, rated 1 A at 30 VDC
- Third party EN certified
- Compatible with Excellence Wireless Gateway

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Technical specifications

General

Status indication	LEDs
Wireless frequency	868 MHz
Compatibility	Excellence Gateway

Electrical

Power supply type	Batteries
Operating voltage	2.7 to 3.3 VDC

Input

Input quantity	2
Input type and rating	Supervised

Output

Output quantity	2
Output type and rating	Potential free, 1A @ 30 VDC
Supervisory voltage	NA
Termination resistor	NA

Physical

Physical dimensions	150 x 200 x 55mm (W x H x D)
Net weight	600 g
Colour	White
Mounting type	Surface mount
Cable entries	6
Material	PC / ABS
Batteries	3 x 3V CR123A Lithium manganese dioxide batteries with a capacity of at least 1550 mAh Duracell DL-123A / CR-123A Intense Panasonic CR-123 PA / BD

Environmental

Vandal proof	No
Operating temperature	-10 to +55 °C
Storage temperature	-10 to +30 °C (with batteries) -10 to +55 °C (without batteries)
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP65

Regulatory

Compliancy	CE, REACH, RED (2014/53/EU), RoHS 2, WEEE
Certification	CPR
Standards	EN54-18, EN54-25

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