WIRELESS DUAL INPUT / OUTPUT DEVICE

Product datasheet

*For the legacy version of this device (FC-610-001) see MK129 (Issue 8)

Key features

- Ten 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 FireCell and Fusion RLM
- Optional 230 VAC switching auxiliary relay module available



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 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.

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 EMS FireCell system, communicating wirelessly with the fire control panel via a Fusion RLM in hybrid systems or via a FireCell Wireless Hub and RCC in fully wireless systems.

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Technical data

Operating -10 to +55 ˚C

Storage
without batteries
-10 to +55 ˚C
with batteries
-10 to +30 ˚C

3 x 3V CR123A - lithium manganese dioxide batteries with a capacity of at least 1550 mAh
Certified with
Duracell DL-123A / CR-123A Intense. Panasonic CR-123 PA / BD

IP65 - Indoor

0 to 14 dBm *(auto adjusting)*

X *(signalling protocol)*

2x resistor monitored inputs

2x 1 A at 30 VDC rated outputs

150 x 200 x 55 mm
(W x H x D)

UL94 5 VB rated PC + ABS

868 MHz

Up to 1250 m
(clear line of sight)*

0.6 kg

DoP0051

EN 54-18 & EN 54-25

FC-41-0202
DUAL I/O DEVICE

FC-620-001
AUXILIARY RELAY MODULE

emsgroup.co.uk

Line of sight refers to the maximum distance over which radio frequency signals can travel in a direct, unobstructed path between transmitter and receiver.

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