

IO930RF

Series 930 Wireless Single Input/Output Interface Unit

General

The IO930RF is a wireless, 868 MHz single channel input/output unit. It provides a method of interfacing a supervised input or potential free output signal into and out of the fire detection and alarm system in areas where the installation of system wiring is not an option.

The IO930RF connects to a FP1200/2000 or 2X series panel by means of a wireless interface unit.

Usage

As an input the IO930RF may receive signals from other alarm equipment, e.g. beam detectors, aspiration detectors etc. Used as an output the unit switches equipment controlled by the fire detection system, e.g. air conditioning systems, magnetic door release units etc. Both input and output facilities are available from the same unit and may be operated simultaneously or individually, as programmed at the CIE.

The System

The IO930RF communicates with the main control panel via a hardwired, wireless interface that may be installed anywhere on the detection loop. When the input gets an alarm signal it passes it via the wireless interface to the main fire control panel where it is processed. The output of the interface provides volt free change over contacts for connecting ancillary equipment and is programmed separately, activated individually or in a group.

High intensity LED indicators positioned on the IO930RF may be illuminated by a manually activated push button to identify when the interface has operated, providing clear identification of the signal source.

Installed as part of a FP1200/2000 or 2X addressable system, up to 128 line devices (detectors, notification devices, call points or interface units) may be connected to each of the control panel loops. Each wireless device is assigned its own address with which the main control panel communicates with it, providing the same system facilities as directly wired devices.

Power supply

The IO930RF is powered by 6 Duracell AA MN1500 LR6 alkaline batteries providing up to 5 years of operational life under normal site conditions. The IO930RF features battery condition monitoring and reporting.



Standard Features

- Addressable input/output interface unit
- Wireless activation
- Potential free relay output
- Monitored input
- Two-way wireless communication

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Specifications

Electrical	
Batteries (Duracell Pro-Cell)	6 x AA size
Contact rating	1 x Volt free contact, 2A@24VDC
Physical	
Physical dimensions	240 x 120 x 50 mm (W x H x D)
Net weight	700 g
Colour	Cool grey
Material	Moulded ABS
Environmental	
Operating temperature	-10 to +50°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP42
IP rating	IP42
Operating temperature	-10°C to +50°C
Humidity range (noncondensing)	10% to 95% RH
Standards & regulation	
Certification	EN54-18, EN54-25
Mechanical	
Mounting	Surface mount
Application	Indoor installation
Material	Moulded ABS
Dimensions (w x h x d)	240 x 120 x 50 mm
Colour	Cool grey
Weight	700g
Approval	
CPD certified to EN54:18/25 ENTSI 300-220	

Ordering Information

Part No.	Description
IO930RF	Series 930 Wireless Single Input/Output Interface Unit