



ZR451-2

Wireless input/output interface unit

Interfaces wide range of ancilliary equipment

The ZR451-2 wireless interface unit provides a method of interfacing an input or output signal onto the fire detection and alarm system, in areas where the installation of system wiring is not an option. As an input the ZR451-2 receives monitored fire signals from other fire alarm equipment, for example beam or aspiration detectors. Used as an output the unit switches equipment controlled by the fire detection system, for example air conditioning or magnetic door releases. Both input and output facilities are available from the same unit and may be operated simultaneously.



Mapped input and output

The interface communicates with the main control panel via a hardwired, radio loop module which can be installed anywhere on the ZP loop. The input function accepts a fire signal and passes it, via the radio loop module, to the main fire control panel, where it is displayed. Used as an output the interface provides volt free change over contacts, for connecting equipment ancillary to the fire detection system and is programmed or mapped to specific inputs. Where several outputs are required to operate together, they can be mapped within a group address. Installed as part of the ZP3 analogue addressable system, up to 127 line devices (sensors, callpoints or interface units) can be connected to each of the control panel loops. Each wireless device, controlled through the ZR470 Radio Loop Module is assigned its own IDENT address, with which the main control panel communicates, providing the same system facilities as directly wired devices.

Lithium power pack

The interface is powered by an internal lithium power pack providing a 5 years life under normal site conditions and monitoring features battery condition reporting. A high intensity, red LED indicator, positioned on the front moulding, can be illuminated manually to identify when the interface has operated, providing clear identification of the signal source.

Standard Features

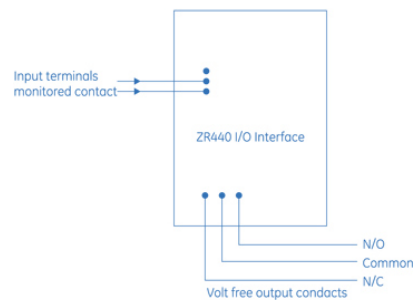
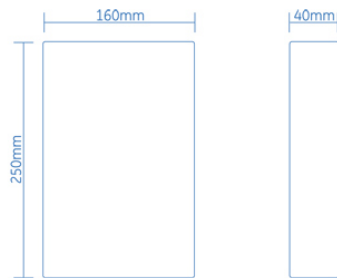
- Addressable input/output interface unit
- Wire free activation
- Volt free relay output
- Monitored input for fire and fault
- Operates input and output signals simultaneously
- Two way radio communication

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Specifications

Model No	ZR451-2
Description	Wireless I/O Interface Unit
Compatibility	All ZP3 analogue systems via ZP470 loop module
Mounting	Surface
Approval	R&TTE to ETS 300-220
Monitoring	Continuously self-checking
Indication	LED (RED) illuminated by push switch on operation
Operating voltage	3.7 volts
Power supply	Internal lithium power pack with 5 years life
Output	Volt free contact, rated 1A at 24Vdc
Application	Indoor installation
EN60529 rating	IP42
Temperature range	-10°C to +70°C
Humidity range	10% to 95% RH (non condensing)
EMC	CE marked (EEC89/336)
Material	Moulded ABS
Dimensions	160mm (W) x 250mm (H) x 40mm (D)
Colour	Cool grey
Weight	750g



1784-02

Ordering Information

Part No.	Description
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As a company of innovation, GE Security reserves the right to change product specifications without notice. For the latest product specifications, visit GE Security online or contact your GE Security sales representative.

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