



ZP470

Radio loop module

Single or two way communication

The ZP470 Radio Loop Modules and their associated equipment enable wireless fire alarm devices to be controlled directly from the ZP hardwired loop. Two versions of the unit are available, the ZR471 providing one way communication from devices to module and installed where alarm sounders are to be hardwired and the ZR472 for two way communication where alarm sounders and interface units are to be included within the wireless part of the system.

The loop module provide a seamless interface between the hardwired components, connected directly to the ZP loop wiring and their own wireless devices.

Seamless addition of wireless devices

Each wireless device, controlled through the ZP470 has its own unique address, with which the main fire alarm control panel communicates, providing the same system facilities as directly wired devices. Subject to location, any number from the total of 127 loop device addresses can be wireless devices, controlled through one or more Radio Loop Modules. A full range of wireless detection and alarm devices is available, including optical smoke sensors, thermal sensors and manual call points. The two way version of the module enables alarm sounders and interface units to be added to the wireless part of the installation.

Full flexibility

Wireless devices are featured in many fire detection and alarm systems, specified where the installation of hard wiring would be difficult or impossible to complete, decorative finishes to the interior of the protected building preclude wiring runs or where the time scales to complete installation are minimal. The ZP470 allows the system designer full flexibility in nominating which devices on the loop are to be hardwired and which are to be wireless.



Standard Features

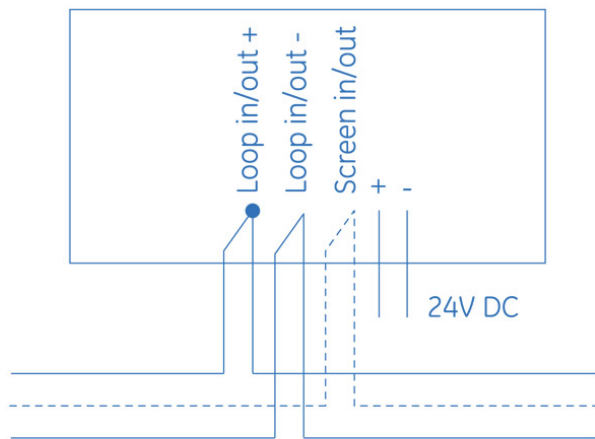
- Receive only, or receive and transmit versions
- Programmable to suit protected area
- Mixed wireless and wired systems
- Complies with EN54, BS5839 and (ISO Part 15)

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Specifications

Model number	ZR471A Receiver only ZR472A Transceiver
Description	Radio based, wireless, fire alarm, loop modules
Approval	R&TTE to ETS 300-220
Operating frequencies	VHF - 173.2 to 173.5 MHz (receiving), UHF - 458.4 to 589.5 MHz (transmitting)
Configuration	Up to 127 radio devices per loop module, subject to location
Compatibility	All ZP3 analogue systems
Mounting	Surface
Power requirements (at 24 VDC)	420 mA quiescent, 820 mA alarm
Operating voltage	18 to 24 Vdc, Up to two ZR471 units can be powered directly from the ZP loop. Systems with three or more ZR471 units, or any number of ZR472 units must be powered via external PSU
Wiring	External PSU wired to comply with local codes
Monitoring	ZP loop for open and short circuit faults, device removal. ZR470 monitors external PSU
Indications	16 character LCD display. All system indications shown at ZP fire alarm panel.
Application	Indoor installation
EN60529	IP40
Temperature range	-10°C to + 70°C (ambient)
Humidity range	10% to 95% RH (non condensing)
EMC	CE marked (EEC/336)
Construction	Enclosure - Sheet steel back box with hinged door
Dimensions (without aerials)	260mm (H) x 360mm (W) x 70mm (D)
Colour	Pantone 428c Cool grey
Weight	4.5 Kg
Publication No	PS1491



ZR471A, ZR472A
RADIO LOOP MODULE

1505-02

Ordering Information

Part No.	Description
ZP470	Radio loop module

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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