

The ZR400 Radio Loop Module and its associated equipment enables 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 ZR400 Radio Loop Module provides a seamless interface between the hardwired components, connected directly to the ZP loop wiring and its own wireless devices.

Each wireless device, controlled through the ZR400 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.

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 ZR400 allows the system designer full flexibility in nominating which devices on the loop are to be hardwired and which are to be wireless.



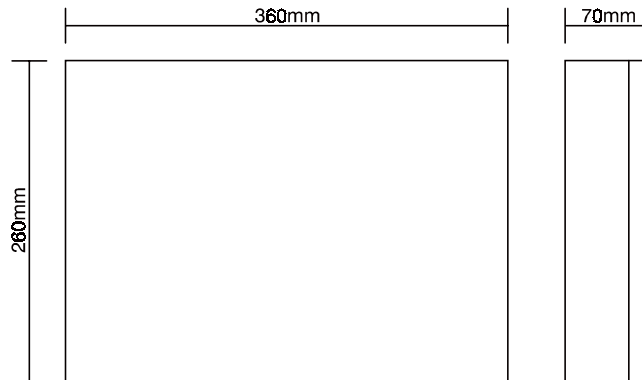
## ZP470

---

### Radio Loop Module

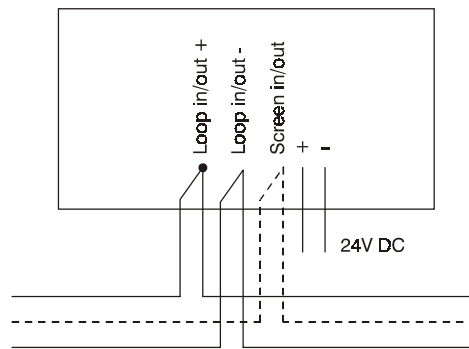
- **Receive only, or receive and transmit versions**
- **Programmable to suit protected area**
- **Mixed wireless and wired systems**
- **Complies with EN54, BS5839 and ISO (Part 15)**

# Dimensions



\*Note: dimensions exclude height of aerials.

# Wiring Diagram



ZR471A  
 ZP472A  
 RADIO LOOP MODULE

991505-01.CDR

# Specifications

Model number	ZR471A Receiver only ZR472A Transceiver	Wiring	External PSU wired to comply with local codes.
Description	Radio based wireless fire alarm loop module	Monitoring	Monitored by ZP loop for open and short circuit faults, device removal.
Approval	R&TTE to ETS 300-220	Indications	ZR470 monitors external PSU
Operating frequencies	VHF – 173.2 to 173.5 MHz (receiving) UHF – 458.4 to 589.5 MHz (transmitting)		Single line – 16 character LCD display. All system indications shown at ZP fire alarm panel.
Configuration	Addresses up to 127 radio devices per loop module, subject to location.	<b>Environmental</b>	Indoor installation
Compatibility	All ZP3 analogue systems	Application	IP40
Mounting	Surface	Temp range	-10°C to +70°C (ambient)
Power requirements (at 24 VDC)	Quiescent 420 mA	Humidity range	10% to 95% RH (non condensing)
	Alarm 820 mA	EMC	CE marked (EEC/336)
Operating voltage	18 to 24 volts DC	<b>Construction</b>	Sheet steel back box and hinged door
	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.	Enclosure	
		Dimensions (without aerials)	260mm (H) x 360mm (W) x 70mm (D)
		Colour	Pantone 428c Cool grey
		Weight	4.5 Kg

Ziton Ltd  
 8 Newmarket Court Chippenham Drive Kingston Milton Keynes MK 10 0AQ United Kingdom  
 Telephone +44 (0) 1908 281981 Fax +44 (0) 1908 282554 email zitonuk@ziton.spx.com

Ziton (Pty) Ltd  
 Ziton House 555 Voortrekker Road Maitland 7405 PO Box 4965 Cape Town 8000 South Africa  
 Telephone +27 (0)21 506 6000 Fax +27 (0)21 506 6100 email zitonsa@ziton.spx.com

Copyright (c) Ziton Limited  
 Ziton reserves the right to change specifications without notice in order to improve products or manufacturing methods. Although every effort is made to avoid errors, we reserve the right to correct typographical, photographic, clerical or printing errors.