II933IRF

930 Series Diversity Wireless Loop Interface Unit with Isolator

General

The II933IRF is an addressable loop interface unit to connect a zone of wireless devices into a hard-wired fire detection loop. It includes a loop short circuit isolator to protect the zone. The II933IRF acts as an interface between an intelligent control panel (CIE) and series 930RF wireless field devices. It transfers the wireless data from the radio signal into the wired protocol both to and from the control panel, allowing the CIE to communicate seamlessly to these devices. The II933IRF may be used on both the Aritech FP1200/2000 and well as the 2X fire panel ranges.

The Series 930 Wireless Device Range

This range consists of:

· Optical smoke detectors
· Multisensor detectors
· Fixed and rate-of-rise heat detectors
· Sounders in various colours
· Combination sounder/visual indicators in various colours
· Combination sounder detectors
· Combination sounder/visual indicators/detectors
· Manual call points
· Interface (input and output) modules

Operating Principle

Fire detection is often required in areas where cabling presents a challenge because of the design or architecture of the building. Wireless installation provides the ideal solution to these environments.

Ideal for the application in hybrid systems where both wired and wireless devices share the same CIE, up to five II933IRF units may be installed on any wired CIE loop. Up to five II955IRF units may easily be incorporated on a single installation (with larger systems possible through careful design), using an easy to use, site survey kit to confirm the positioning of the wireless devices. Every II933IRF supports up to 31 wireless devices.

Every 930RF wireless device is assigned an address which is recognised by the control panel in the same way as is the address of any wired device connected directly to the CIE loop wiring.

Approvals

The II933IRF is approved to EN54:17, EN54:18 and EN54:25 and CPR certified.

En detalle

- Easy to install without the necessity to align antennae
- Internal LCD display for easy setup and commissioning
- On board, short circuit isolation
- Loop powered
- Standard series 990 addressing
- Self monitoring
- Up to 31 device per interface
- Up to 5 interfaces per loop
- Uses European approved, 868MHz radio channels

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Especificaciones Técnicas

Eléctrico

Voltaje de funcionamiento	24 VDC

Físico

Dimensiones físicas	270 x 205 x 85 mm
Peso neto	950 g
Material	ABS

Medioambiental

Temperatura de funcionamiento	-10 to +55°C
Temperatura de almacenamiento	-10 to +55°C
Humedad relativa	0 to 95% noncondensing
Entorno	Interior

Estándares y regulaciones

Certificación	EN54-17, EN54-18, EN54-25

Electrical

Operating voltage	24 VDC
Loop current	15 mA (max)

Physical

Dimensions (l x w x h)	270 x 205 x 85 mm
Weight	950 g
Material	ABS

Environmental

Operating temperature	-10°C to +55°C
Storage temperature	-10°C to +55°C
Relative humidity (no condensation)	0 to 95%

Approvals

EN54:17/18/25 approved	
CPR Certified	

United Technologies

Climate | Controls | Security