IDP-RM1

Radio Interface Module

Section: Intelligent / Addressable Devices

FEATURES

- **Supports up to 32 radio devices**
- **Loop powered**
- **Fully analogue addressable devices**
- **Up to 200m coverage (free space)**
- **Two way communication with radio devices**
- **7 channels**
- **868MHz**
- **Frequency hopping**
- **Site specific code**
- **Designed to meet the requirements of prEN54-25 & BS5839 Pt.1 2002.**

GENERAL

The IDP-RM1 loop powered radio interface module is designed for use with the Notifier range of analogue addressable control panels. It provides a direct translation from a standard Notifier analogue addressable loop to the Hyfire range of analogue addressable radio field devices. With a range of up to 200m in free air, the module offers an easy and convenient solution to applications where the use of wired devices is prohibitive in certain areas.

The module provides a transparent communication path between the control panel and the radio devices, passing all analogue information back to the control panel. Up to 32 Hyfire radio devices may be configured to a single IDP-RM1.

INSTALLATION

To achieve acceptable and reliable radio communication with the field radio devices, positioning of the interface module is important. Care should be taken to comply with the requirements of EN54-25. A radio survey should be completed using the Hyfire radio test and survey equipment and the results stored with the commissioning documentation.

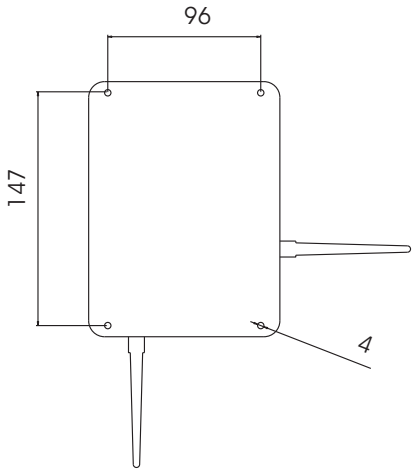
Any form of radio communication between devices is affected by the environment into which the devices

are placed. Any object which is an emitter of radio signals (such as electrical cabling), a reflector of radio waves (such as a large metal surface or object) or an absorber of radio waves (such as trees) will have a significant effect on the ability of radio devices to communicate in its vicinity. For these reasons a site survey should always be carried out and specific measurements made before device placement is decided. Although conditions on a site may vary considerably over time the wireless nature of radio devices makes it easy to relocate them as necessary, being careful to ensure that their placement is appropriate to maintain effective detection and/or giving of alarm signals

The module is supplied in an ABS enclosure complete with 'knock-outs' for loop cabling. Two antennae are provided to allow the best radio coverage in two planes. All modules are supplied with full fitting and programming instructions.

SPECIFICATIONS

- **Dimensions**
  - ✓ 120mm(w) 160mm(h) 50mm(d).
  - ✓ Weight: 301g.
- **Current Consumption**
  - ✓ Quiescent: *17mA*
  - ✓ Alarm Current: *17mA*
- **Operating Voltage**
  - ✓ 15 V to 32VDC maximum
- **Environmental Limits**
  - ✓ -30°C to +50°C operating temperature
  - ✓ 5% to 95%, non-condensing relative humidity
  - ✓ Ingress Protection (IP) Rating: IP68



ORDERING INFORMATION

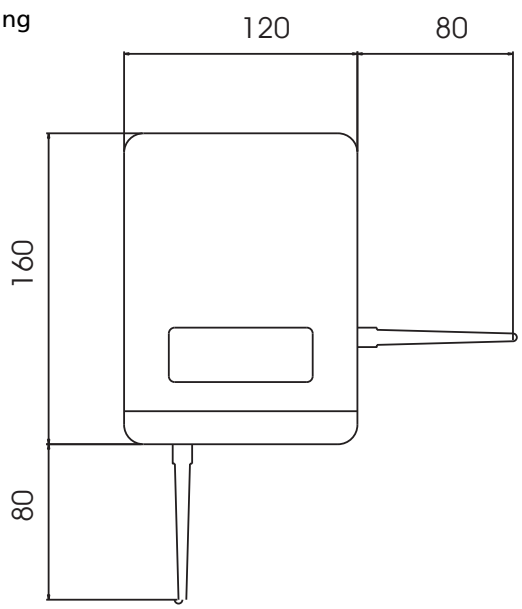
Part No.	Description
IDP-RM1	Radio detection interface module. Accepts up to 32 radio analogue addressable devices. One required per zone.

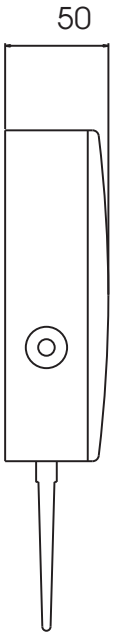
All radio devices are available from:

Sterling Safety Systems

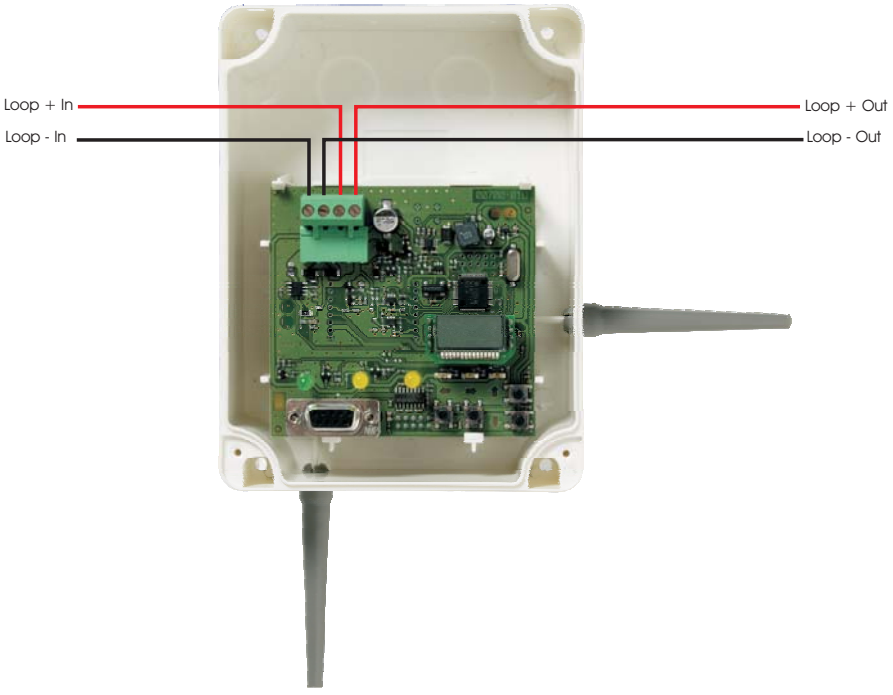
Tel: 01926 485282

Web: www.sterlingsafety.co.uk





Wiring Diagram



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