

Radio Detection Interface Module MIW-INT Datasheet

Product Overview

The MIW-INT loop powered radio interface module is designed for use with the Morley-IAS range of analogue addressable control panels. It provides a direct translation from a standard Morley-IAS 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.

Key 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



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 MIW-INT.

MORLEY  **IAS**
FIRE SYSTEMS
by Honeywell



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.

MIW-INT Detection Interface Module

The MIW-INT loop powered radio interface module is designed for use with the Morley-IAS range of analogue addressable control panels. It provides a direct translation from a standard Morley-IAS 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 MIW-INT.

Specification

MIW-INT RADIO DETECTION INTERFACE MODULE

Mechanical Specification

Dimensions:

Height	160 mm
Width	120 mm
Depth	50 mm
Weight	301 g

Electrical Specification

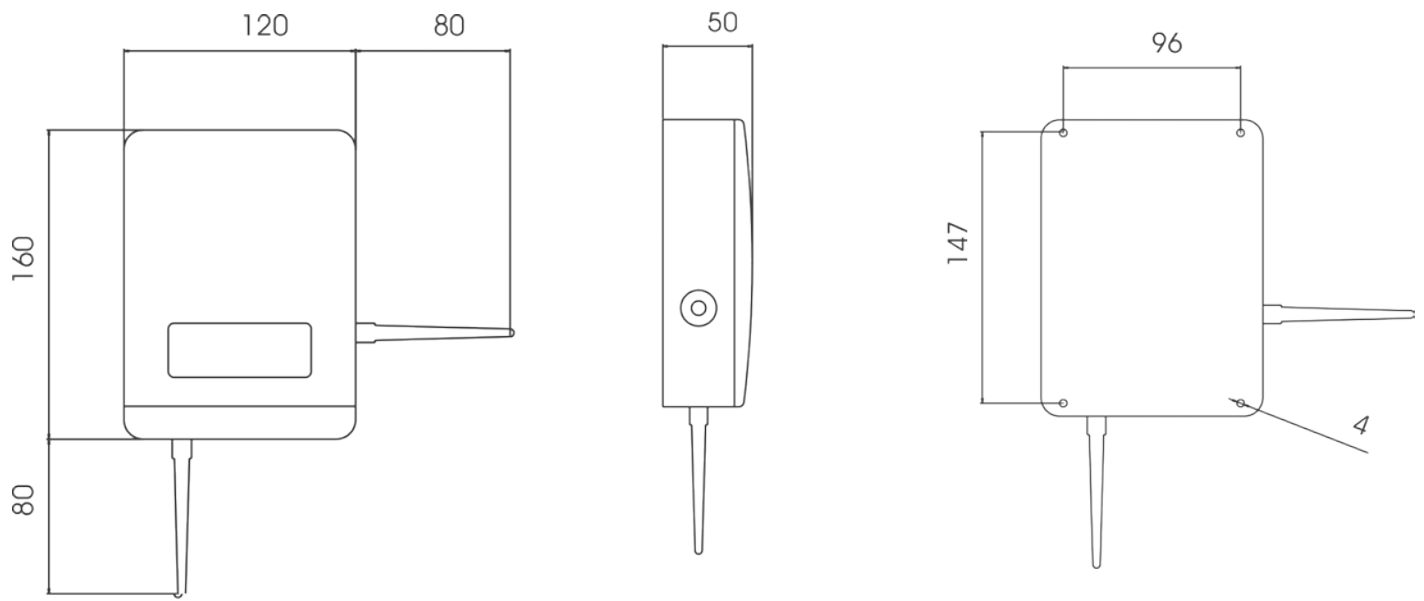
Current Consumption

Quiescent	17mA
Alarm Current	17mA
Operating Voltage	15 V to 32VDC maximum

Environmental Specifications

Operating temperature	-30°C to +50°C
Relative humidity	5% to 95%, non-condensing
Ingress Protection (IP) Rating	IP68

Dimensions



DESCRIPTION

Radio detection interface module. Accepts up to 32 radio analogue addressable devices

ORDER CODES

MIW-INT

For further details on these or any other Morley-IAS products please contact your local distributor, Morley-IAS Business Manager or via our contact details found below. Morley-IAS by Honeywell - Providing a control panel solution, for fire industry professionals.

Every care has been taken in the preparation of this datasheet but no liability can be accepted for the use of the information therein. Design features may be changed or amended without prior notice.
© Morley-IAS by Honeywell 2014



Caburn House,
2B Brooks Road
Lewes, E. Sussex
BN7 2BY, UK

T +44 (0) 1273 897 000
F +44 (0) 1273 376 894
E sales@morleyias.co.uk
www.morley-ias.co.uk