# Repeaters Datasheet

## Product Overview

The Morley-IAS repeaters are compact remote control units for Morley-IAS intelligent multi protocol fire alarm control panels.

These units, along with other I/O peripheral devices and the external printer further enhance the flexibility and functionality of our fire alarm control panel range.

The repeaters provide an extension to the operation of the fire alarm control panel. There are two types available - passive with indications only and no controls, or active with both controls and indicators. Both display the operational state of the control panel using the 80 character LCD display and the 7 LED status indicators.

In addition to the general status indicators the Active repeater is fitted with key operated “Access Enable” switch for the control functions. Individual buttons are provided for System Reset, Mute, Accept, Sound Alarms, Silence/Re-sound Alarms and Self test. Thus enabling control functions to be duplicated in strategic locations around the installation.

The Active repeater includes an integral self test sequence guiding the operator through a preset sequence to test the functionality of the control buttons, key-switch and display indicators.

Each repeater is connected to the Morley-IAS fire alarm control panels using the RS485 peripheral data port as shown in the schematic overleaf. A maximum of 31 active repeaters can be connected to the peripheral data port. The fire alarm control panel supervises the connection between itself and the repeater, proving the integrity of the cabling and indicating faults both on the repeater and the fire alarm control panel.

Passive repeaters are not supervised, but a loss of communication with the fire alarm control panel will be indicated on the passive repeater.

The repeater requires an external power supply of +24Vdc (nominal) to operate. Power may be taken from the auxillary supply of the control panel or from any other suitable dc power supply.

### Key Features

- Compatible with all Morley-IAS intelligent multi-protocol fire alarm control panels
- Connects to RS485 peripheral bus
- Active or Passive options
- Backlit adjustable alphanumeric display
- General status LEDs
- Controls for system reset, accept, mute, silence alarms, and self test (active repeater only)
- “Access Enable” key-switch on active repeater





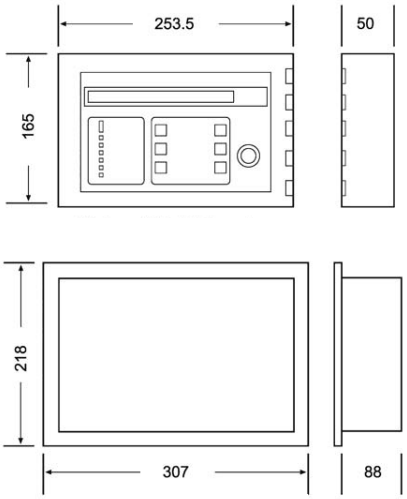
MORLEY IAS
FIRE SYSTEMS
by Honeywell

# Mechanical:

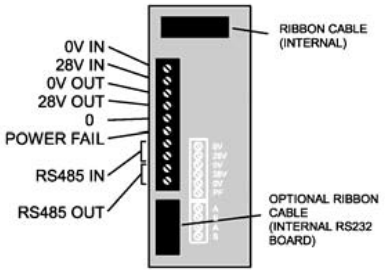
| | |
|---|---|
| Weight | 1.7kg (approx) |
| Operating Temperature | +5°C to +45°C |
| Maximum Humidity | 5% - 95% non-condensing |

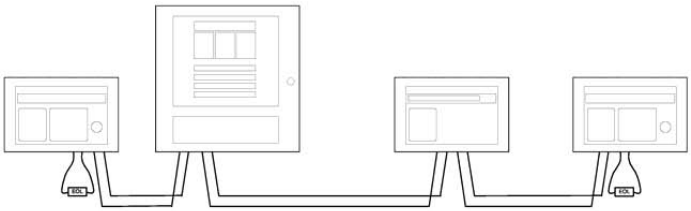
# Electrical:

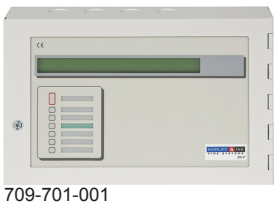
| | |
|---|---|
| Operating Voltage | 18 to 32 Vdc |
| Operating Current | 90mA (Quiescent) 120m (Alarm) |
| Terminals | Maximum cross section 2.5mm2 |
| LED Indicators | Fire, Fault, Disables, Accepted, Silenced, Power, Communications, Loss |
| EXrA User Controls | Keyswitch activated - System Reset, Sound Alarms, Silence/Resound, Mute, Accept and Self Test |



Bezel cutout - 267 x 179 x 90
All dimensions in mm.





RS485 Communication Bus


709-701-001


709-752

# Part Numbers:

| | |
|---|---|
| 709-601-001 | Morley-IAS Active Repeater |
| 709-701-001 | Morley-IAS Passive Repeater |
| 709-752 | Morley-IAS Stainless Steel Semi-flush Active Repeater |
| 020-835 | Spare key switch and keys for Morley-IAS repeaters |
| 002-600-002 | Bezel Kit for Active or Passive Repeaters |
| 795-004-001 | RS485 Communication Module. |

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.

Every care has been taken in the preperation 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 2015

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

DOC REF: MIAS Repeater 0715