MORLEY IAS
FIRE SYSTEMS
by Honeywell

## NSTALLATION INSTRUCTIONS FOR INTEGRATED DETECTOR BASE LOOP POWERED ADDRESSABLE SOUNDER - SOUNDER STROBE \& STROBE

## MODELS

MI-BSO-XX-N = Sounder Non Isolation MI-BSO-XX-I = Sounder Isolation
MI-BSS-XX-N = Sounder Strobe Non Isolation MI-BSS-XX-I Sounder Strobe Isolation

MI-BST-XX-N = Strobe Non Isolation MI-BST-XX-I = Strobe Isolation

XX = Colour options available

## GENERAL



The range of intelligent devices are designed to be connected to analogue addressable fire alarm systems
These devices must only be connected to control panels that use a compatible proprietary analogue addressable communication protocol.
These devices receive their power from the loop, and can be controlled via the communication protocol(s).
The Integrated Detector Base Sounder is designed to accept a Series 200 Advanced detector.
The sounders have three volume levels and 32 tone sets. Models (MI-BSO-XX-I, MI-BSS-XX-I, MI-BST-XX-I) containing the character ' 1 ' prior to the Customer ID code include in built isolation providing short circuit protection of the loop.
Up to 159 addresses are available. (Consult the panel instructions to confirm compatibility) These are selected via the two rotary selector switches. The 'tens' digits go from 0 to 15 and the 'units' from 0 to 9 .
Note: if the control equipment is not capable of taking over 99 module addresses, a fault condition will be generated for every address over 99.
THIS PRODUCT IS NOT APPROVED TO EN54-23 (VISUAL ALARM DEVICES) AND MUST NOT BE USED AS A VISUAL ALARM DEVICE OR TO PROVIDE A PRIMARY WARNING NOTIFICATION OF FIRE.

| SPECIFICATIONS | $\begin{aligned} & \text { MI-BSO-XX-N } \\ & \text { MI-BSO-XX-I } \end{aligned}$ | $\begin{aligned} & \hline \text { MI-BSS-XX-N } \\ & \text { MI-BSS-XX-I } \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { MI-BST-XX-N } \\ \text { MI-BST-XX-I } \end{array}$ |
| :---: | :---: | :---: | :---: |
| Signaling Line Supply Voltage (non isolation) | 15 to 29VDC (24VDC typical) |  |  |
| Signaling Line Supply Voltage (isolation) | 15 to 29VDC (24VDC typical) |  |  |
| Max current consumption (non isolation) (High Volume Tone 13 @24V) | 4.46 mA | 8.40 mA | N/A |
| Max current consumption (isolation) (High Volume Tone 13 @24V) | 4.65 mA | 8.59 mA | N/A |
| Max peak power | 148.8 mW | 243.4 mW | 99.12 mW |
| Sound Output to EN54-3 (High Volume Tone 13 @24V) | $96 \mathrm{~dB}(\mathrm{~A}) \pm 3 \mathrm{~dB}$ |  | N/A |
| Beacon flash rate | N/A | 1 Hz | 1 Hz |
| Max current consumption @24V (non isolation) MI-BST-XX-* | N/A | N/A | 3.94 mA |
| Max current consumption @24V (isolation) MI-BST-XX-* | N/A | N/A | 4.13 mA |
| Quiescent Current | 450uA |  |  |
| Operating temperature range | -25 to $+70^{\circ} \mathrm{C}$ |  |  |
| Relative humidity | up tp $93 \%$ ( $\pm 3 \%$ ) - non condensing |  |  |
| Terminal Size | $2.5 \mathrm{~mm}^{2}$ - maximum |  |  |

For isolator specification refer to document SP11-2848 available on request These model types must not be used as visual alarm devices to provide a primary warning notification of fire.

TERMINAL CONNECTIONS


## VOLUME SETTINGS

Volume setting is selected by SW6 and SW7 of the 8 way DIP switch. The appropriate tone set is selected by SW1 to SW5 of the 8 way DIP switch (see table 1) The 2nd stage tone (related to the 1st stage tone) is controlled by the fire panel via the protocol.

| SW6 | SW7 | Volume Setting |
| :--- | :--- | :--- |
| OFF | OFF | HIGH |
| OFF | ON | MEDIUM |
| ON | OFF | LOW |
| ON | ON | LOW |

BASES/IP RATING

B501AP (IP 21C)


INSTALLATION
Affix B501AP to a suitably flat ceiling Terminate the cable to the appropriate terminals. For surface

mount wiring the cable can enter the B501AP via the break outs provided. Select the appropriate Tone and Volume settings via the DIP switch.
Locate the main assembly on to the base by rotating until it locks into place.

## CONTINUITY SPRING

The B501AP
incorporates a continuity spring between terminals and 4. This allows the continuity of the field wiring to be checked without the need for the device to be present. Inserting the device will disengage the spring. Removing the device will close the loop.

## ANTI TAMPER LOCK

The B501AP also includes a tamper resistant feature that when activated prevent removal of the unit without the use of a special tool.
 This method is consistent with the anti tamper feature across all devices using this base. This prevents the device being turned to


## Table 1 - VERSION 8C




For CPD Data on all relevant devices please request D974.

## IMPORTANT NOTES:

For Isolated variants add 0.19 mA to high, medium, low values above.

We reserve the right to amend the content of this document without prior notice.

Sounder Output data, in accordance with EN54-3, is available on Document Ref: D 1022.

## ADDRESS SETTING

To set one of the 159 available addresses for the device use the two rotary switches located either side of the dip switch unit. The 'tens' digits go from 0 to 15 and the 'units' from 0 to 9.


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