**CONNECTIONS & STANDARD SETTINGS**

- **TAMPER**
- **TERMINAL BLOCK**
- **END OF LINE RESISTOR JUMPER**
- **RELAY**
- **SENSITIVITY ADJUSTMENT**
- **PIROSENSOR**
- **PULSE COUNT JUMPER**

**TECHNICAL SPECIFICATIONS**

- Supply voltage: 10 to 16 V DC
- Current consumption: 13 mA
- Contact rating: 1 Amp 28 VDC
- Warm-up delay: 2 min
- EOL Resistor: 3.3 / 2.7 / 2.2 / 1.2 Kohms
- Detection: 0.15 to 3.2 m/sec
- Pulse count jumper settings:
  - 1 pulse, for very stable areas
  - 2 pulses, for stable areas
  - 3 pulses, for high unstable areas

**TERMINAL BLOCK CONNECTIONS:**

- **TAMPER**
- **12V/DC RELAY**
- **N.C.**

- **Terminal 1**
  - Connect to negative (-) supply

- **Terminal 2**
  - Connect to positive (+) 12v

- **Terminal 3 & 4**
  - This is a voltage free contact (closed = normal)
  - EOL Resistor: 3.3 / 2.7 / 2.2 / 1.2 Kohms
  - Detection: 0.15 to 3.2 m/sec

**SENSITIVITY ADJUSTMENT**

There are 4 settings to adjust the sensitivity:
- **XL** - For very stable surroundings (max. range)
- **L** - For stable surroundings (normal range)
- **M** - For unstable surroundings (reduced range)
- **S** - For very unstable environment (drastically reduced range (4mt))

**PULSE COUNT JUMPER SETTINGS**

- 1 pulse, for very stable areas
- 2 pulses, for stable areas
- 3 pulses, for high unstable areas

**SELECTING MOUNTING LOCATIONS**

Choose a location most likely to intercept an intruder. See detection patterns in figure 16 for best suited lenses. (*A* supplied as standard)

Mount the detector as close as possible to 2.1 mt from the floor. Tilt the detector to suit the area to be covered (see fig. 10, 11 & 12).

Best performance is achieved when installed in a constant and stable environment so that the sensitivity can be increased.

The dual-element sensor best detects motion across the beam. It is less sensitive when detecting motion towards the detector.

**AVOID THE FOLLOWING LOCATIONS**

- Facing direct sunlight.
- Facing areas subject to rapid and frequent temperature changes.
- Areas with air ducts.

**TEST PROCEDURE:**

After applying power, wait 3 to 4 minutes before conducting any test and ensure that the protected area is cleared of all people.

**Walk Test:**

1. Remove the front cover.
2. Replace the front cover.
3. Wait 5 seconds (5) to allow for the IR to settle.
4. Start walking slowly across the detection zone.
5. Observe that the detector's LED lights up whenever motion is detected.
6. After the walk test is completed, the LED may be disabled.
7. Allow 5 sec. Between each test for the detector to stabilize.
8. Adjust the orientation of the detector to provide maximum coverage.

**RELAY**

- N.C. on stand-by
- Input surge protection
- Tamper circuit
- Contact rating: 0.1 Amp 28 VDC
MOUNTING THE DETECTOR
For practicality a swivel bracket is supplied with each detector for corner, wall or ceiling mounting. The bracket with its "pan & tilt" feature allows for a later final orientation. The bracket can pan ±18° from the centre and tilt ±25° from the horizontal.

MOUNTING HOLES (KNOCKOUTS)
The bracket should be mounted first!!

For corner mount
For ceiling mount
For (flat) wall mount

MOUNTING EXAMPLES:

For corner mount
For (flat) wall mount
For ceiling mount

CABLING:
Bracket knock-out for cable
Knock-out for 4-core cable
Knock-out for 6-core cable

CONNECTIONS:

M.A.M.I LIMITED WARRANTY
Due to a policy of constant improvement MAMI reserves the right to change product specifications without prior notice. Due to the fact that this product forms only part of an alarm system, MAMI will not accept responsibility or liability for any damages whatsoever based on claims that the product has failed to operate correctly. MAMI products undergo severe computerized testing. MAMI confidence in this product is expressed with a 2 year replacement warranty.

MOUNTING HOLES (KNOCKOUTS)

OPTIMAL MOUNTING HEIGHT & ANGLE

EOL= ON
TAMPER
EOL= OFF
TAMPER

LAST DETECTOR
FIRST DETECTOR

USING A KEY SWITCH TO BYPASS A ZONE WITH END OF LINE RESISTOR

POWER
ZONE CIRCUIT
TAMPER CIRCUIT

Lense Types and Ranges:

Wide Angle Array
WA 1.2 Gi 12 V3

Dense Wide Angle Array
DWA 1.2 Gi 12 V2

Extra Wide Angle Array
EWA 1.2 Gi 12 V3

Animal Alley Array
AA 1.2 Gi 12 V1

Long Range Array
LR 1.2 Gi 12 V3

Vertical Barrier Array
VB 1.2 Gi V1

Vertical Barrier Array
VB 1.2 Gi V2

(ranges indicated apply when XL sensitivity setting is selected)