COOPER Safety
Fire Systems

EN54

Loop Connected Remote Indicator MRIAD

MRIAD loop connected remote indicator

Overview

The MRIAD intelligent addressable loop connected remote indicator is designed to provide discreet remote indication, which is controlled by the intelligent addressable fire panel, whilst providing the ability to monitor multiple detectors within an area thereby minimising wiring requirements.

The unit is connected directly on the loop, is 'soft addressed' by the panel on system start up and is fitted with integral short circuit isolators.

When using "Site installer" the MRIAD should be programmed as an address output (sounder) and can be programmed using the comprehensive cause and effect tables to operate continuous, pulsing, by global, panel, zone, address or on double knock input etc.

The unit is supplied complete with back box and is surface mounted.
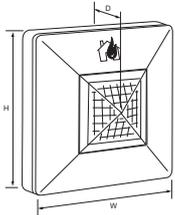
Features

- Simple to install
- Fits onto standard single gang back box
- Wide viewing angle high brightness LED
- Attractive styling

Benefits

- Can be remote mounted
- Controlled by the panel
- Can be activated by cause and effect
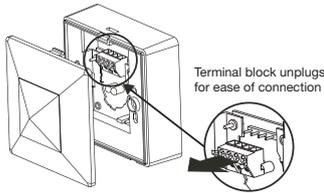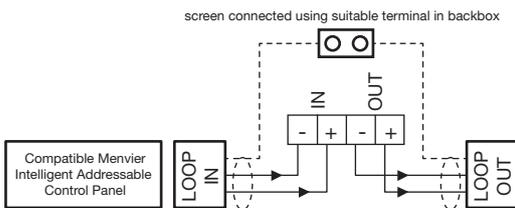- Reduced cost
- Minimises cabling

MENVIER

Dimensions

H (mm)	W (mm)	D (mm)
87	87	49

Technical Specification

Code	MRIAD
Description	Loop connected remote indicator
Specification	
Operating Voltage	24V dc
Quiescent Current	220µA
Alarm Current	6mA
Cable Size	0.5 mm² to 2.5 mm²
Environmental	
Operating Temperature	-10°C to +55°C
Humidity (Non Condensing)	0 to 95% RH
Physical	
Construction	ABS
Colour	White
Lens Colour	Red
Dimensions (H x W x D)	87mm x 87mm x 49mm
Weight	0.28kg
Ingress Protection	IP30
Compatibility	
Suitable for use with	Menvier intelligent addressable fire systems

Standard Connection

MRIAD

screen connected using suitable terminal in backbox

Compatible Menvier Intelligent Addressable Control Panel

LOOP IN

LOOP OUT

Terminal block unplugs for ease of connection

WARNING:
Do NOT use high voltage testers if ANY equipment is connected to the system.

Screen (Earth) must be continuous along entire length of loop.

Installation

1. Mounting plate fixes to single gang back box or can be direct fixed to wall or ceiling.
2. Cable entry is normally from rear but breakouts are provided in side of base plate
3. Cables connect to terminals on PCB within base plate.
4. Front cover is pushed onto base plate and locks in place.

System Functionality

1. MRIAD is addressable and is programmed to activate when selected detectors are triggered.
2. LED cancels when detector is reset.
3. Low current consumption.

Product Codes

Code	Description
MRIAD	Intelligent addressable loop connected remote indicator