Mircom™

MIR-65 Series Smoke & Heat Detectors Installation Instructions

General
These instructions apply to the 6" E-Z Fit base, part no MSB-65B, for installing MIR-65 Series smoke and heat detectors.

Installation
These products must be installed in accordance with the applicable NFPA standards, local codes and jurisdictional authorities. Failure to follow these instructions may result in failure of the detectors to report an alarm condition. Mircom is not responsible for detectors which are improperly installed, maintained and tested.

Before installing these products check the continuity, polarity and insulation resistance of all wiring. Check that siting is in accordance with the fire system drawings and conforms to all applicable local codes such as NFPA 72.

Use 3" octagonal box for direct connection to the base. 4" octagonal and 4" square boxes may be used with proper UL listed mounting brackets. When mounting on a wall, install 4" to 12" from the ceiling. Use 3M Weatherban 606 Non-Flammable sealing compound (or equivalent) to seal field wiring conduit opening in the electrical box, this will reduce the stacking effect. Secure the base to the electrical box with appropriate screws. Do not overtighten the screws. The raised mark on the side of the base indicates the direction of the detector LED when fitted. Connect the shield, if required, to the SHIELD terminal on the base.

Warning

CAUTION: Do not use looped wire under terminal L2. Break wire run to provide supervision of connections.
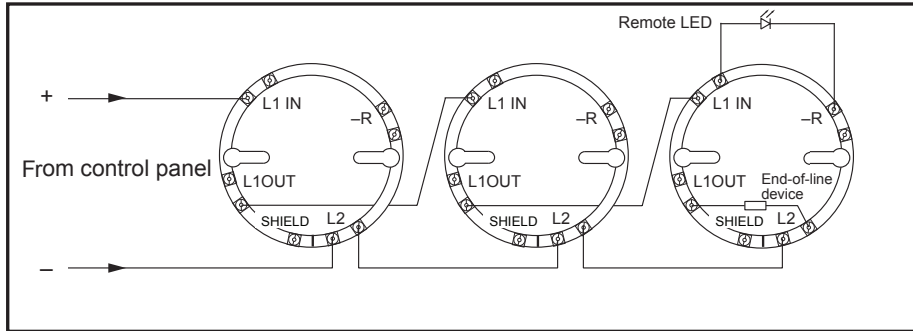
Fig 1. *Wiring diagram of MIR-65 Series zone*
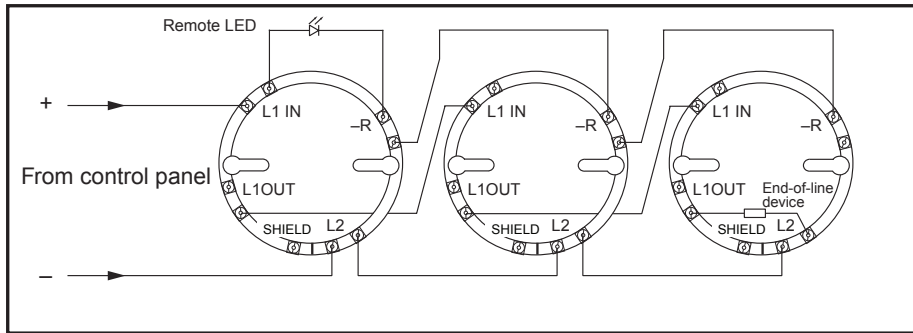
Fig 2. *Wiring diagram of MIR-65 Series zone with common remote indicator*

The above instructions cover the following base model:

MSB-65B 6"   E-Z Fit base

Technical Data

Detector model #	MHD-65-135, MHD-65-200		MID-65I	MPD-65P
Detector type	Heat Rate-of-Rise/Fixed Temperature		Ionization	Photoelectric
Working voltage	9–33V dc		9–33V dc	9–33V dc
Maximum alarm current	17mA at 9V, 52mA at 24V		17mA at 9V, 52mA at 24V	17mA at 9V, 52mA at 24V
Surge current	0mA		0mA	0mA
Supervisory current	40–50µA at 9V, 45–55µA at 24V		40–50µA at 9V, 45–55µA at 24V	40–50µA at 9V, 45–55µA at 24V
Heat element rating	MHD-65-135	Ordinary (135ºF/57ºC)	N/A	N/A
	MHD-65-200	Intermediate (200ºF/93ºC)		
Control panel	UL/ULC Listed Compatible Control Panel			
Test method	Magnet or hair dryer		Magnet or Gemini 501	Magnet or Gemini 501
Installation temperature	Minimum 32ºF (0ºC) Maximum at least 20ºF (11ºC) below rating		Minimum 32ºF (0ºC) Maximum 158ºF (70ºC)	Minimum 32ºF (0ºC) Maximum 140ºF (60ºC)

Control Panel Compatibility

For details of compatible control panels, please contact Mircom directly.

Performing the Magnet Test

Place the magnet near the detector on the OPPOSITE side of the LED.
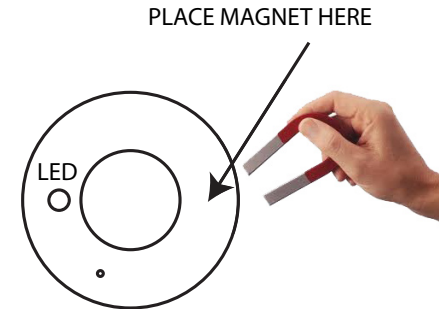
Fig 3. *Performing a magnet test on the MIR-65 series detectors.*