



65 Series Conventional Smoke & Heat Detectors



Description:

The 65 Series incorporate proven sensing technologies, together with advances in materials and electronics technology. Having a wide operating voltage of 9-33VDC, the 65 Series detectors can be integrated into most Fire/Security systems. The 65 Series wide voltage range family consists of photoelectric smoke, ionization smoke, and heat detectors.

Models/Description:

Ionization Smoke Detector Head (MID-65I)

The sensing part of the ionization detector consists of two chambers - an open outer chamber with a second semi-sealed reference chamber within. A highly visible external red LED flashes when the detector is in operational standby and changes to steady in alarm state.

Photoelectric Smoke Detector Head (MPD-65P)

The photoelectric detector incorporates a pulsing infrared LED located in a chamber within the housing of the Detector which is designed to exclude light from any external source.

Fixed and Rate-of-Rise Heat Detector Head (MHD-65-135/MHD-65-200)

The heat detector operates by using a matched pair of thermistors to sense heat. One thermistor is exposed to the ambient temperature, the other is sealed. In a fire situation, the temperature recorded by the exposed thermistor will increase rapidly, resulting in an imbalance that causes the detector to change into the alarm state.

65 Series Bases

All 65 bases have a "one-way-only" fit. The detectors are polarity sensitive and the bases are easy to wire.



MHD-65-135 Heat Detector

MID-65I Ionization Smoke Detector

65 Series

Features:

- Wide Operating Voltage Range
- Advanced Electronics Technology
- Flashing Standby/Steady Alarm LED
- Magnetic Test Switch
- Low Profile (1⁵/₈"H x 4" Dia.)
- Locking Feature Reduces Tampering
- Designed to Meet Approvals Worldwide
- High RF, Noise and Insect Immunity
- Available in 2 and 4 Wire Kits

King-Fisher Company, inc.

2350 Foster Ave. Wheeling, IL. 60090— 6574

Phone (847)398-7100 Fax (847)255-1507

Phone (888)687-5324(US) Fax (877)687-5324(US)

E-MAIL: sales@kfc.us

WEBSITE: www.kfc.com

Specifications:

MID-65I Ionization Smoke Detector

Features	Flashing Red LED in Standby / Magnetic Test Switch	
Supply Voltage	9 to 33VDC	
Average Current		
Standby	24VDC	55µA
(Without accessories)	9VDC	50µA
Alarm	24VDC	52mA
(Without accessories)	9VDC	17mA
Alarm Indication	Steady On Red LED	
Ambient Temperature	-4°F to 140°F (-20°C to 60°C) (No Condensation or Icing)	
Nominal Sensitivity	1.2%/ft.	
Max. Wind Continuous	32ft./sec.	
Radioactive Element	Americium 241; 0.9 Micro-Curie. Do Not Expose to Corrosive Atmospheres	

2-Wire E-Z Fit Base (MSB-65B)

Supply Voltage	*9 to 33VDC
Compatible FACP IDC	

MPD-65P Photoelectric Smoke Detector

Features	Red Flashing Clear LED in Standby / Magnetic Test Switch	
Supply Voltage	9 to 33VDC	
Average Current		
Standby	24VDC	45µA
(Without accessories)	9VDC	40µA
Alarm	24VDC	52mA
(Without accessories)	9VDC	17mA
Alarm Indication	Steady on Red LED	
Ambient Temperature	-4°F to 140°F (-20°C to 60°C) (No Condensation or Icing)	
Nominal Sensitivity	2.5%/ft.	
Max Wind Continuous	Not Affected	

4-Wire Standard/Auxiliary Relay Bases (MSB-65B-4/MSB-65B-4R)

Supply Voltage	*9 to 33VDC
Ambient Temperature (No Condensation or Icing)	4°F to 158°F (-20°C to 70°C)
Max. Switching Power	30W, 50VA

MHD-65-135/MHD-65-200 Fixed and Rate-of-Rise Heat Detectors

Features	Flashing Red LED in Standby / Magnetic Test Switch	
Supply Voltage	9 to 33VDC	
Average Current		
Standby	24VDC	55µA
(Without accessories)	9VDC	50µA
Alarm	24VDC	52mA
(Without accessories)	9VDC	17mA
Alarm Indication	Steady on Red LED	
Ambient Temperature	-4°F to 195°F (-20°C to 90°C) (No Condensation or Icing)	
Max Wind Continuous	Not Affected	

Max. Switching Current	1A (Resistive Load)
Max. Switching Voltage	50VAC, 75VDC
Min. Capability	10µA, 10mVDC
Dropout Voltage	<6V

*For 4-Wire power compatibility, please refer to control panel's power supply data.

Ordering Information:

Model No.	Description
MID-65I	Ionization Smoke Detector
MPD-65P	Photoelectric Smoke Detector Head
MHD-65-135	Fixed Temperature and Rate-of-Rise Heat Detector Head 135°F (57°C)
MHD-65-200	Fixed Temperature and Rate-of-Rise Heat Detector Head 200°F (190°C)

Mounting Base

MSB-65B	2-Wire EZ Fit Base
MSB-65B-4	4-Wire Standard Relay Base c/w Low Profile Skirt and Spanner Bar
MSB-65B-4R	4-Wire Auxiliary Relay Base c/w Low Profile Skirt and Spanner Bar

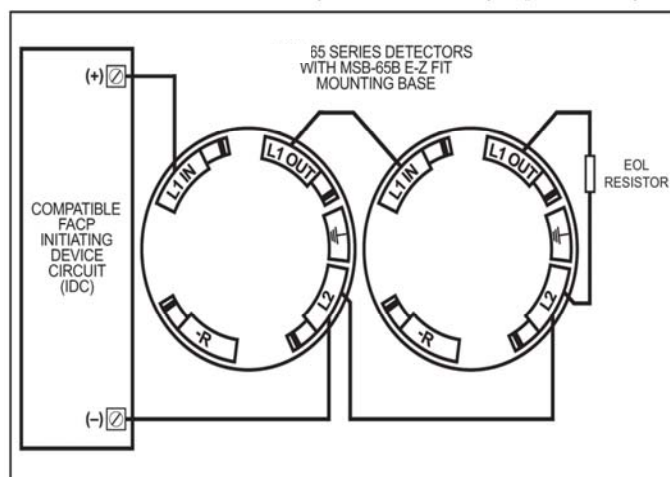
MIR-65 Series Smoke Detector Kits

MPD-65PK	Photoelectric Detector Kit c/w Photoelectric Detector Head and 2-Wire EZ Fit Base
MID-65IK	Ionization Detector Kit c/w Ionization Detector Head and 2-Wire EZ Fit Base
MPD-65PK-4	Photoelectric Detector Kit c/w Photoelectric Detector Head and 4-Wire Standard Relay Base
MPD-65PK-4R	Photoelectric Detector Kit c/w Photoelectric Detector Head and 4-Wire Auxiliary Relay Base

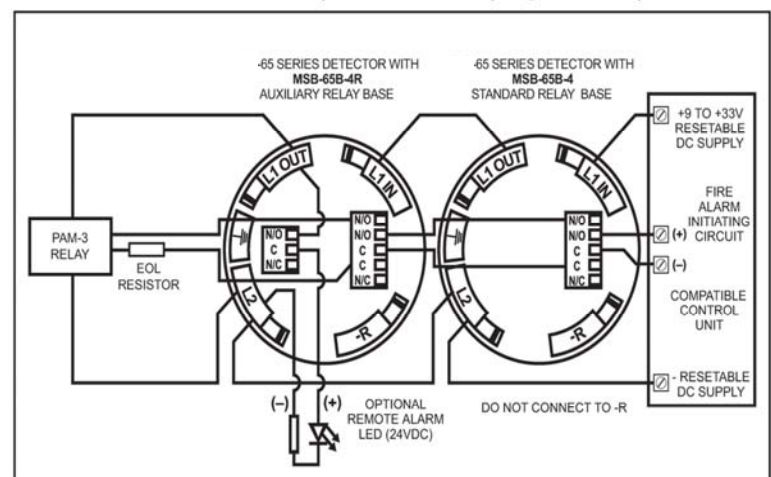
Information Data Sheet

S65	Specification Data Sheet
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2-Wire Zone Circuit (Class "B" (Style "B"))



4-Wire Zone Circuit (Class "B" (Style "B"))



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