INTELLIGENT HEAT DETECTOR

DESCRIPTION

The Thermal Sensor (P/N 60-1039/60-1040) provides peer-to-peer digital protocol for reliable fast communications. The sensor includes a tri-color LED for instant indication of device status. The spot-type heater sensor is designed to be programmable for a set-point range of 135º F to 174º F for ordinary detection or 175º F to 190º F for intermediate detection. Detectors in the ordinary range may be programmed for either fixed temperature or 15º F rate of rise operation. The detection set-point is software programmable in five degree increments from 135º F to 190º F. The sensor also incorporates two optional pre-alarm settings from 70°F - alarm setting in five degree increments.

SPECIFICATIONS

Normal Operating Voltage:	15 to 30 VDC
Standby Current:	215 µA max. @ 24 VDC (continuous broadcasts)
LED Current:	2 mA max. @ 24 VDC (LEDs on)
Operating Humidity Range:	10% to 93% Relative Humidity Non-condensing
Installation Temperatures: .	-4°F to 100°F (-20°C to 38°C); 135°F-174°F setpoint
	-4°F to 150°F (-20°C to 66°C); 175°F-190°F setpoint
Fixed Temperature Rating:	135°F (57°C)190°F (88°C); programmable
Rate of Rise Detection:	Responds to greater than 15°F/min.(8°C/mm); programmable
Spacing for Thermal Detectors:	Detectors set between 135º to 155ºF or 175º to 190ºF : 50 foot spacing
	Detectors set between 156º to 174ºF: 15 foot spacing
Height:	2.1 inches (51 mm)in 63-1054 base
Diameter:	6.1 inches (155 mm) installed in 63-1054 base
	4.1 inches (104 mm) installed in 63-1055 base
Weight:	4.8 ounces (137 g)

Form No. P.1.90.01-2

ORDERING INFORMATION

Fike P/N	Manf. Model No.	Description
60-1039		Fixed Temperature/ROR/Hi-Temp Thermal Detector - Non-isolator
60-1040		Fixed Temperature/ROR/Hi-Temp Thermal Detector - Isolator
Mounting Bases		
63-1054/63-1060*		6" Flanged Mounting Base
63-1055/63-1061*		4" Flangeless Mounting Base
02-10373	RMK400	Recessed Mounting Kit
20-1083	SMK400E	4" Flangeless Surface Mounting Kit
20-1084	A10-29-400	6" Flanged Surface Mounting Kit
63-1063		Relay Base
63-1064		Sounder Base
Accessories		
20-1085	F110	Retrofit Flange
02-3868	RA400Z	Remote LED Annunciator
20-1087	XR2B	Detector Removal Tool (20-1089 included)
02-4986	XP-4	Extension for 02-4985 (5–15 ft)
20-1089	T55-127-000	Detector Removal Head
20-1090	BCK-200B	Black Detector Kit
55-051		Configuration IR Tool

APPROVALS

- UL - S2101
- FM - 3021590
- MEA - 63-05-E
- CSFM - 7270-0900:141