MONITOR MODULE

Data Sheet

DESCRIPTION

The Monitor Module (P/N 55-041 & 55-046) provides a single, Class A or B initiating device circuit (IDC) capable of monitoring normally open contact fire alarm and supervisory devices. In addition to monitoring the connected contacts, the module will monitor the wiring to the device for open circuits. The module has a single panel controlled red LED to indicate device status. The isolator version of the module (P/N 55-046) provides complete short circuit isolation for installations requiring NFPA Style 7 wiring.

The module is compatible with Fike's CyberCat and Cheetah Xi intelligent control panels. Its operating parameters are configured using the panel's programming software and are stored within non-volatile RAM in the module. This on-board intelligence allows each module to communicate its status directly to other devices connected to the panel. This peer-to-peer digital protocol results in less information that needs to be sent between the module and the host control panel, resulting in faster, more reliable communication.

SPECIFICATIONS

Normal Operating Voltage:	15 to 30 VDC
Standby Current:	485 μA max. (continuous broadcasts) 2 mA max. Avg. (continuous broadcasts, IDC Shorted)
IDC Voltage:	5.4 VDC max.
Alarm Current:	1.6 mA (red LED on)
Maximum IDC Wiring Resistance:	100 Ω
Temperature Range:	32°F to 120°F (0°C to 49°C)
Humidity:	10 to 93% RH Noncondensing
Dimensions:	4.17" H x 4.26" W x 1.22" D (106 mm H × 108 mm W × 31 mm D)
Accessories:	39 kΩ End of Line Resistor P/N 10-2625 included) Wall cover plate (included) 20-1072 Surface Mount Electrical Box 14 kΩ Short Detect Resistor, P/N 10-2530, must be ordered separately
Mounting:	Mounts on a 4" x 4" x 2 1/8" Junction Box. For surface mounting, use 20-1072 surface mount box.

ORDERING INFORMATION

Fike P/N	Description
55-041	Monitor Module - Non-isolator
55-046	Monitor Module - Isolator
Accessories	
20-1071	Control Module Barrier
20-1072	Surface Mount Box
55-051	Configuration IR Tool

APPROVALS

- UL - S3705
- FM - 3021599 (non-isolator) 3023166 (isolator)
- MEA - 8-05-E
- CSFM - 7300-0900:140

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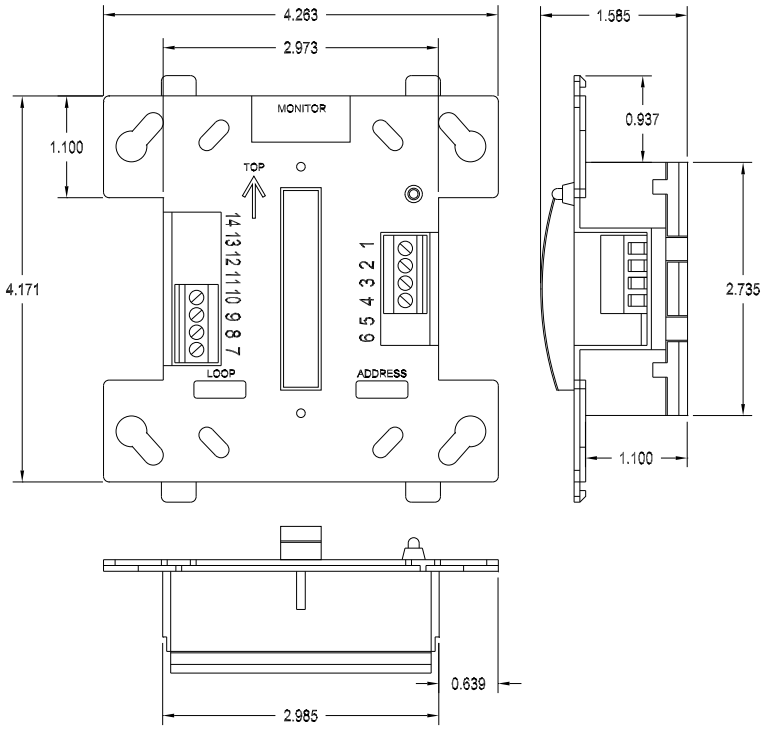
MODULE DIMENSIONS



TERMINAL DEFINITIONS

T1	(+) SLC in/out	T6	No Connection
T2	(-) SLC in/out	T7	(-) IDC Class A/B
T3	(+) SLC in/out	T8	(+) IDC Class A/B
T4	(-) SLC in/out	T9	(+) IDC Class A
T5	No Connection	T10	(-) IDC Class A

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