



DATA SHEET

MONITOR MODULE

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 or normally closed supervisory/process devices. In addition to monitoring the connected contacts, the module will monitor the wiring to the device for open circuits via an end-of-line resistor (Class B only). The module has a multi-color LED that will flash a unique color for instant status indication (Green for normal operation, Red for active input, and Yellow for device trouble). The isolator version of the module, P/N 55-046, provides complete short-circuit isolation for installations requiring NFPA, Class X 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 stored within the module's non-volatile RAM. This onboard intelligence allows each module to communicate its status directly to other devices connected to the Signaling Line Circuit (SLC). This peer-to-peer digital protocol results in less information that must 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:	485µA max. (continuous broadcasts)
IDC Voltage:	5.4 VDC max.
Alarm Current:	2.0 mA (red LED on)
Maximum IDC Wiring Resistance:	100 Ω
Temperature Range:	32 to 120°F (0 to 49°C)
Average Humidity:	10 to 93% RH Non-condensing
Dimensions:	4.17" H x 4.26" W x 1.22" D (106 mm H x 108 mm W x 31 mm D)
Mounting:	4" square electrical box-with 2 1/8" minimum depth. For surface mounting, use a 20-1347 surface mount box.

ORDERING INFORMATION

Fike P/N	Mfg. P/N	Description
55-041	EM-1M	Monitor Module, Non-isolator
55-046	EM-1MI	Monitor Module, Isolator
Accessories		
CB500	CB500	Control Module Barrier
20-1347	SMB500	Surface Mount Box
55-051	EA-CT	IR Tool
10-2625		39 kΩ End of Line Resistor Assembly
10-2530		14 kΩ Short Detect Resistor Assembly
FP-WHITE-ECL-BP	FP-WHITE-ECL-BP	Cover Plate



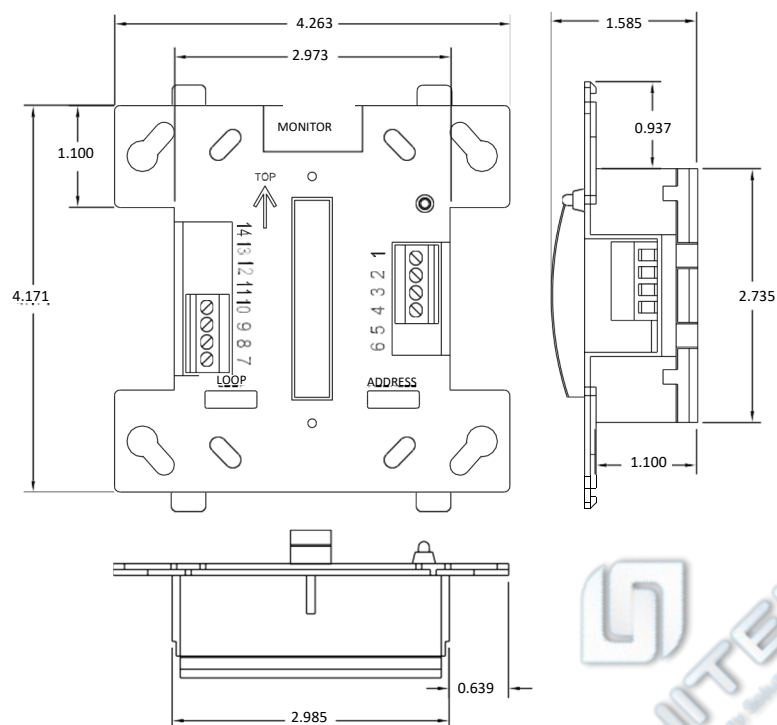
APPROVALS:

- UL
- FM
- City of New York
- CSFM

Refer to agency web site for details.



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