



DATA SHEET

FIREPHONE CONTROL MODULE

DESCRIPTION

The intelligent firephone control module is used with the CyberCat® fire alarm control panel to provide a two-way, selective talk telephone communications service. The module is capable of monitoring and controlling a single loop of firefighters' phones. It can differentiate between normal, off-hook, and trouble conditions on the phone circuit. When any phone is taken off-hook, the phone shall immediately receive a ringing tone, and the panel shall receive an off-hook indication. Emergency response personnel at the fire command center can selectively choose which off-hook phones to connect to the system's phone riser, thus allowing two-way communication.

The module is wired to the CyberCat system's phone riser that originates from the digital paging card P/N 10-2727, located in the fire command center. In addition, the module is wired to the system's firephone module circuit (Series 500 loop) that originates from the system's fire-phone card P/N 10-2728, which is also located in the fire command center. Up to 99 modules can be connected to the firephone module circuit, and each module must be assigned a unique address using rotary address switches provided on the module. The unique address of each module allows the CyberCat system to supervise and control the individual fire-phone modules properly.

FEATURES

- SEMS Screws for easy wiring
- Compatible with Fike's CyberCat® Control Panel
- Mounts to a Standard 4" junction box
- Rotary address switches
- NFPA 72, Class A or Class B operation

SPECIFICATIONS

Normal Operating Voltage:	15 to 32 VDC
Maximum Current Draw:	7.5mA (LED on)
Average Operating Current:	2.4mA (LED Flashing)
Series 500 Loop Wire Resistance:	1-25 modules = 31Ω max 26-50 modules = 16Ω max 51-75 modules = 10Ω max 76-99 modules = 7Ω max
Series 500 Loop Wire Capacitance:	0.35μF maximum
Supervisory Wiring Resistance:	50Ω
Handset Off-Hook Resistance:	400 to 1,500Ω
Temperature Range:	0° to 49°C (32° to 120°F)
Humidity:	10% to 93% Non-condensing
Dimensions:	4.25" W x 4.65" H x 1.1" D (108 mm W x 118 mm H x 28 mm D)
Weight:	6.3 oz. (196 g)
Mounting:	Standard 4" (101.6 mm) square, 2-1/8" (54 mm) deep electrical box Surface mount using 20-1347 surface mount box



APPROVALS:

- UL
- FM
- CSFM

Refer to agency website for approval information.





ORDERING INFORMATION

Fike P/N	Mfg. P/N	Description
24-135	M500FP	Firephone Control Module
Accessories		
20-1346	CB500	Control Module Barrier
20-1347	SMB500	Surface Mount Electrical Box

APPLICATION DIAGRAM

