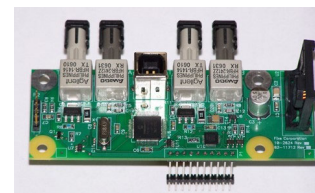## MULTI-MODE FIBER OPTIC NETWORK CARD

DESCRIPTION

The Fiber Optic Network Module, P/N 10-2624, provides an intelligent interface between networked Fike panels. The module allows up to 128 CyberCat® or Cheetah® Xi panels to be tied together, which allows global operation and monitoring of all points from any panel. Each panel to be tied into the network will need a Network Module installed to participate. The module mounts directly to the associated control panel circuit board using mounting hardware provided with the module.

Note: The CyberCat® 50 and Cheetah® Xi 50 control systems are not compatible with this product.

SPECIFICATIONS

Current Consumption:	50mA in standby and alarm
Circuit Cabling (TXA, RXA, TXB, RXB):	Multimode Fiber Cable
	Max Fiber Attenuation:
	50/125µm = 5.70 db
	62.5/125µm = 12.0 db
	Max Distance:
	50/125µm = 6,560 ft (2KM)
	62.5/125µm = 9,840 ft (3KM)
Cable Connectors:	ST style within 0.2 db typical loss
Output Circuit:	Power-limited and supervised
Dimensions (LxWxD):	4.15" x 1.5" x 2" (8.9 cm x 3.8 cm x 5.08 cm)
Weight:	0.10 lbs. (45 grams)
Operating Temp:	32°F to 120°F (0°C to 49°C)
Operating Humidity:	93% RH, non-condensing
Compatibility:	The Fiber Optic Network Module is compatible with Fike's Cheetah Xi, CyberCat 254 and 1016 fire alarm and suppression panels. However, there may be some compatibility issues regarding the firmware revision level of the panel versus the firmware revision level of the network modules being utilized.

APPROVALS:

- UL Listed - S2203
- FM Approved - 3030404
- CSFM - 7165-0900:137 (Cybercat)
  7165-0900:149 (Cheetah Xi)
- City of New York - 6002 (Cheetah Xi)
  6004 (CyberCat)
- City of Denver
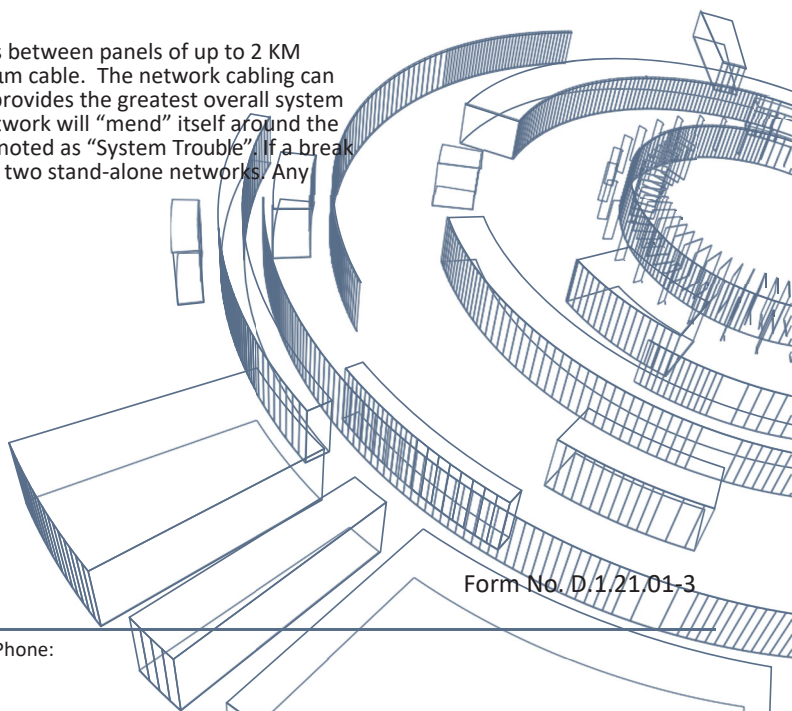- Kingdom of Bahrain
- Taiwan
- OSHPD

OPERATION

The Network Module will allow a system consisting of more than one CyberCat® or Cheetah® Xi panel to be tied together for global operation and monitoring of all points from any panel. Custom messages from each panel will travel across the network to the other panels by default. All network information is displayed in each panel's history. If the network module is programmed to participate in the active zone, it will also activate its local piezo and programmed outputs. Press F1 to locate the panel that created the event.

Switch Operation from each panel will travel across the network to other panels by default (Global switch operation). This allows the associated panel to be reset, silenced, acknowledged, or activation of drill function from any other network panel. If the network module is programmed as "Local" only, the associated panel will only respond to switch commands from the selected panels specified in the system configuration.

Each Network Module has a repeater built into it. This allows cable runs between panels of up to 2 KM (6,560 feet) using 50/125µm cable or 3 KM (9,840 feet) using 62.5/125µm cable. The network cabling can be run NFPA Class B, Style 4 or Class A, Style 7. Style 7 network cabling provides the greatest overall system reliability. If a break should occur in the Style 7 network cabling, the network will "mend" itself around the break and continue to operate normally with the network wire trouble noted as "System Trouble". If a break should occur when using Style 4 network cabling, the network will form two stand-alone networks. Any isolated panel will revert to stand-alone operation.
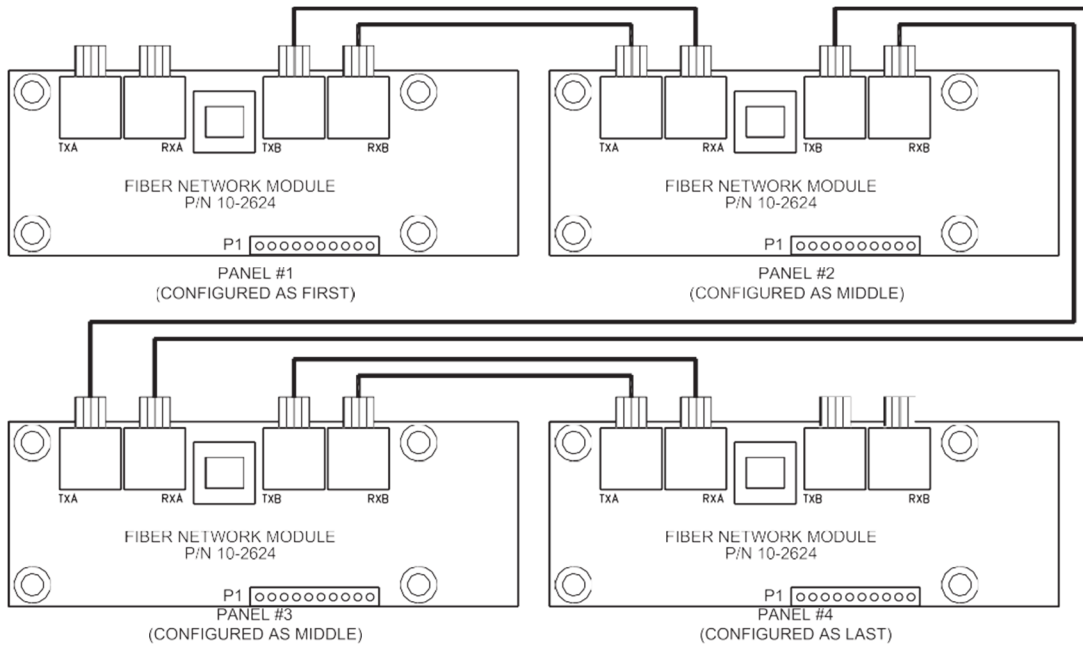
ORDERING INFORMATION

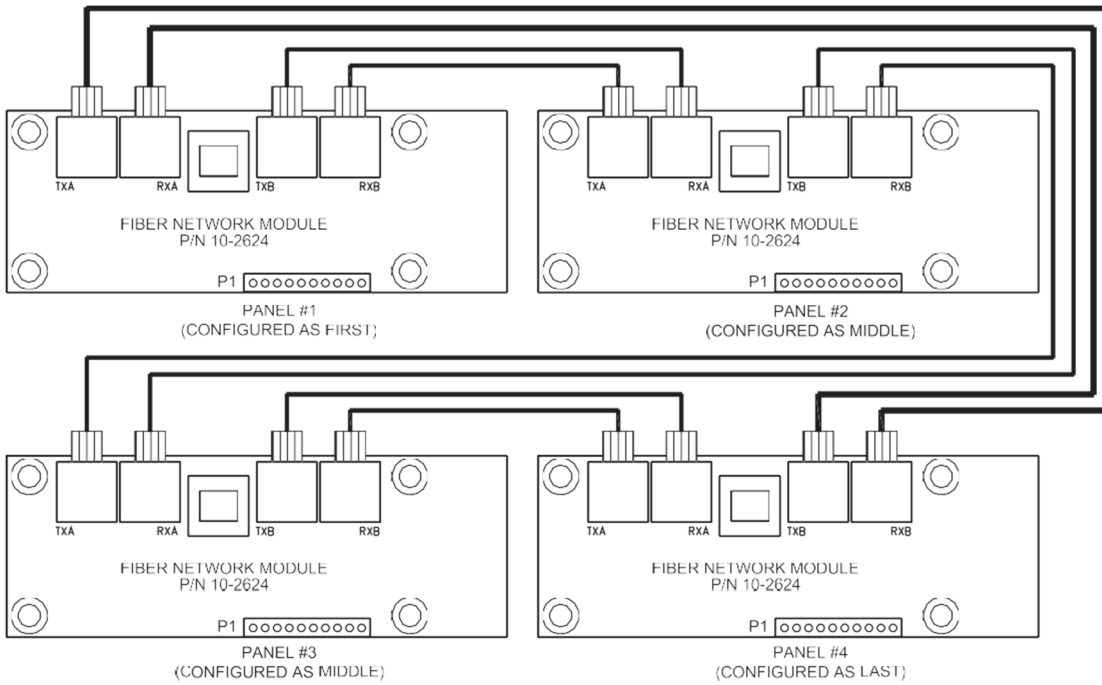| Fike P/N	Description
10-2624	Fiber Optic Network Module
02-12031	Standoff Hardware Kit (kit includes P/N 02-3794 and 02-1589)
02-3794	Standoff, 1.25" F/F, 6x32 hex (qty 4)
02-1589	Screw, 6-32 x 0.375 Phillips (qty 8)

WIRING DIAGRAMS

Network Cabling Diagram – Style 4

Network Cabling Diagram – Style 7