

SMOKE CONTROL GRAPHIC PANEL (FSCS SERIES)

DESCRIPTION

Fike's Smoke Control Graphic Panel provides an intuitive easy-to-use interface to the HVAC system for emergency responders to use to manually control the operation of fans, dampers, and other equipment installed for the purpose of controlling smoke movement within a facility.

Each panel is customizable to meet the needs of each specific customer or facility. It is designed to graphically display the physical building floor plan, smoke control systems and equipment.

LED indicators are used to indicate the current status of individual smoke control equipment. (fans, dampers, etc.) or entire smoke control zones. Manual override switches can either be installed in the graphic panel or within the associated control panel to provide a means for emergency responders to override automatic control of the smoke controlsystem. Distinct background colors can be used to highlight critical smoke control areas like stairways, elevator shafts, main air ducts, and main exhaust ducts.

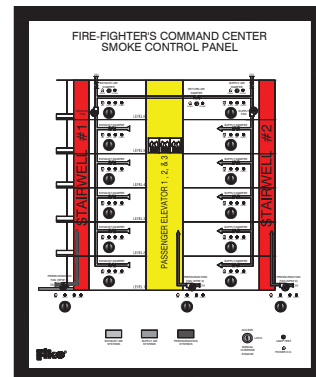
Automatic inputs for the Smoke Control Graphic Panel come from existing basic fire initiating devices (smoke detectors, heat detectors, etc.) that are connected to the intelligent control system. Communication between Fike's intelligent control panels and the Smoke Control Graphic is accomplished via the panel's RS485 peripheral bus.

COMPATIBILITY

The smoke control graphic panel is compatible with Fike's CyberCat® 254 and 1016 control systems with firmware version 4.00 or higher.

FEATURES

- Configurable via on-board via intelligent control panel using C-LINX™ Software
- Surface, Flush or Semi-flush mountable
- Local piezo sounds for annunciation of system status changes
- Access key switch for lock-out of smoke-control switches
- Immediate visual status of smoke-control equipment in a compact area
- Integrated LED test switch function
- Various switch types are available for design flexibility
- Multi-color background available
- Standard LED colors: Amber, Red, Green, Yellow, White
- Modular circuit board design for expandability
- Easy Installation



APPROVALS:

- UL - S2203 (UUKL)
- FM - 3032723
- City of New York - 6018
- CSFM - 7165-0900:137

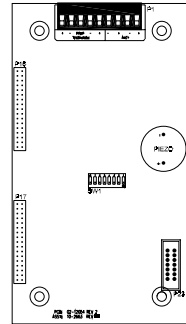


SMOKE CONTROL MODULE

Fike's Smoke Control Module (P/N 10-2663) provides the interface between the smoke control graphic panel and Fike's CyberCat 254 and 1016 control systems. Each module can control and monitor up to six smoke control zones or individual pieces of smoke-control equipment (e.g., fans or dampers). This module is capable of distributing control and power (24VDC) to a single Switch/LED Driver Module (P/N 10-2665). The module interfaces to the intelligent CyberCat panels via the panel's RS485 peripheral bus.

SPECIFICATIONS

Operating Voltage Range:	24VDC regulated 15 – 30 VDC
Maximum Current:	Alarm: 112 mA (all LEDs on) Standby: 58 mA (all LEDs off)
Operating Temperature:	0 to 49° C (32to 120° F) 93% RH Terminal blocks accept 14-26 AWG All Connections are Supervised and Power Limited 4000 ft. (1219 m) to last device (96Ω) maximum Belden 9841 or equal
RS485 Wiring:	
Module Dimensions:	Width = 3.73" (9.47 cm) Height = 6.75" (17.15 cm)
Mounting:	Mounts inside smoke control graphic panel enclosure

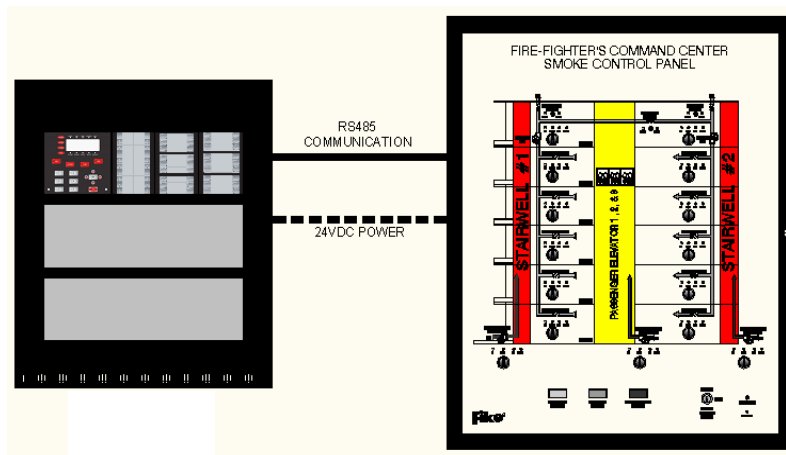
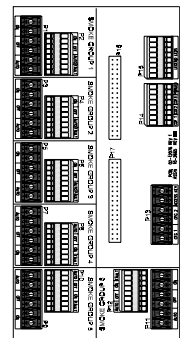


SWITCH/LED DRIVER MODULE

The Switch/LED Driver Module (P/N 10-2665) is used in conjunction with the Smoke Control Module (P/N 10-2663) to provide connection points for all control switches and LEDs incorporated into a smoke control graphic panel layout.

SPECIFICATIONS

Operating Temperature:	0 to 49° C (32 to 120° F) 93% RH
Terminal blocks accept 14-26 AWG	
All Connections are Supervised and Power Limited	
Module Dimensions:	Width = 3.5" (8.9 cm) Height = 7" (17.8 cm) Depth = .75" (1.9 cm)
Mounting:	Mounts inside smoke control graphic panel enclosure



Maximum Switch/LEDs				
Panel Size	Qty. 10-2663	Qty. 10-2665	Switch	LEDs
14" x 14" (36cm x 36cm)	1	1	6	26
24" x 24" (61cm x 61cm)	4	4	24	104
36" x 24" (91.5cm x 61cm)	6	6	36	156
24" x 36" (61cm x 91.5cm)	6	6	36	156
36" x 30" (91.5cm x 76cm)	8	8	48	208
30" x 36" (76cm x 91.5cm)	8	8	48	208

ORDERING INFORMATION

Fike P/N	Description
Door Assemblies	
10-2690-B	Smoke Control Graphic 14" x 14" w/ 10" x 10" viewing window
10-2691-B	Smoke Control Graphic 24" x 24" w/ 20" x 20" viewing window
10-2692H-B	Smoke Control Graphic 36" x 24" w/ 32" x 20" viewing window
10-2692V-B	Smoke Control Graphic 24" x 36" w/ 20" x 32" viewing window
10-2693H-B	Smoke Control Graphic 36" x 30" w/ 32" x 26" viewing window
10-2693V-B	Smoke Control Graphic 30" x 36" w/ 26" x 32" viewing window
<i>Notes: H=Horizontal Mount, V=Vertical Mount</i>	
<i>Door Assembly includes: door frame, silk=screened Lexan viewing window, (1) smoke control module (P/N 10-2663), (1) switch/LED driver module (P/N 10-2665), lamp test switch and LED, security access key for operation</i>	
<i>All these items must be ordered separately: backbox, trim ring, additional smoke control and LED/switch device modules, switches and LEDs</i>	
Backbox	
10-2588-B	Backbox 14" x 14" for P/N 10-2690-B
10-2589-B	Backbox 24" x 24" for P/N 10-2691-B
10-2590H-B	Backbox 36" x 24" for P/N 10-2692H-B
10-2590V-B	Backbox 24" x 36" for P/N 10-2692V-B
10-2591H-B	Backbox 36" x 30" for P/N 10-2693H-B
10-2591V-B	Backbox 30" x 36" for P/N 10-2693V-B
Trim Rings	
10-2611-B	Trim Ring for P/N 10-2588 Backbox
10-2612-B	Trim Ring for P/N 10-2589 Backbox
10-2613-B	Trim Ring for P/N 10-2590 Backbox
10-2614-B	Trim Ring for P/N 10-2591 Backbox
LED's	
02-12216	Red LED
02-12218	Green LED
02-12219	Yellow LED
02-12220	White LED
Miscellaneous	
02-2580	Access Control Switch
02-12244	Lamp Test Switch
02-12245	Two-Position Toggle Switch
02-12172	Three-Position Rotary Selector Switch
02-12171	Three-Position Toggle Switch
02-12173	Contact Block, Selector Switch
10-2663	Smoke Control Module
10-2665	Switch/LED Driver Module
10-1903	34-PIN ribbon cable, Cntrl-Driver 24"
10-1950	34-PIN ribbon cable, Cntrl-Driver 48"