

## SUPPRESSION DISCONNECT SWITCH

### DESCRIPTION

The Suppression Disconnect is a keyed switch that enables the operator to put the suppression release circuit that the switch is connected to in a "DISARMED" condition. It electrically isolates the connected release device from the associated control panel's releasing circuit and provides a supervisory contact to allow monitoring by a control panel. This allows the operator to work in the area protected by the suppression system without accidentally releasing the system. The switch can be ordered with or without status LEDs (Green – ARMED and Red – DISARMED). The LEDs provide positive indication of the status of the releasing circuit. LEDs require 24 VDC auxiliary power from the associated control panel for operation.

### COMPATIBILITY

The Suppression Disconnect switch is compatible with all Fike intelligent control panels. The disconnect switch is compatible with "Class B" style releasing circuits only. Do NOT attempt to install this product on "Class A" style wiring. The switch can be used in conjunction with Fike's Agent Release Module (ARM), Impulse Release Module (IRM), or standard releasing solenoids used for sprinkler or carbon dioxide suppression systems.

### OPERATION

#### Armed Mode

With the key switch in the ARMED (normal) position, the release device is connected to the associated control panel's releasing circuit. In this position, the switch does not interfere with panel supervision of the releasing circuit or releasing operations. The green LED on the faceplate illuminates steady to indicate the ARMED status of the circuit.

*Note: The key can only be removed in the ARMED position.*

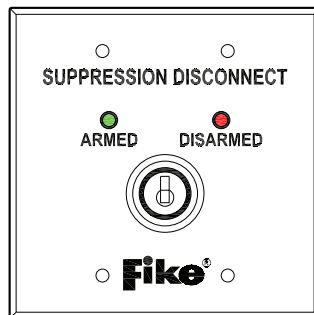
#### Disarmed Mode

With the key switch in the DISARMED (maintenance) position, the connected release device is electrically isolated from the releasing circuit and will not activate when the associated control panel enters the Release State. A trouble and supervisory event will be displayed on the associated control panel to indicate the open circuit. The green LED on the faceplate will turn off and the red LED will turn on to indicate the DISARMED status of the circuit.

*Warning: Both the ARM and IRM modules utilize capacitors to store a charge for releasing the suppression system. Before servicing the system, wait 10 minutes for the capacitor's charge to dissipate.*

### SPECIFICATIONS

Input Voltage:	15 – 30 VDC
Current Consumption:	13.1 mA (LED active)
Circuit Limitations:	Class B only
Dimensions (LxWxD):	4.5 in. x 4.5 in. x 2.125 in. (11.5cm x 11.5cm x 5.4cm)
Weight:	0.55 lb. (0.25 kg)
Operating Temp:	0 to 49°C (32 to 120°F)
Operating Humidity:	93% RH
Contact Ratings:	8A @ 24 VDC Resistive 4A @ 24 VDC Inductive
Mounting:	Two-gang masonry box (Raco 691 or equal)



Switch with LEDs

### APPROVALS:

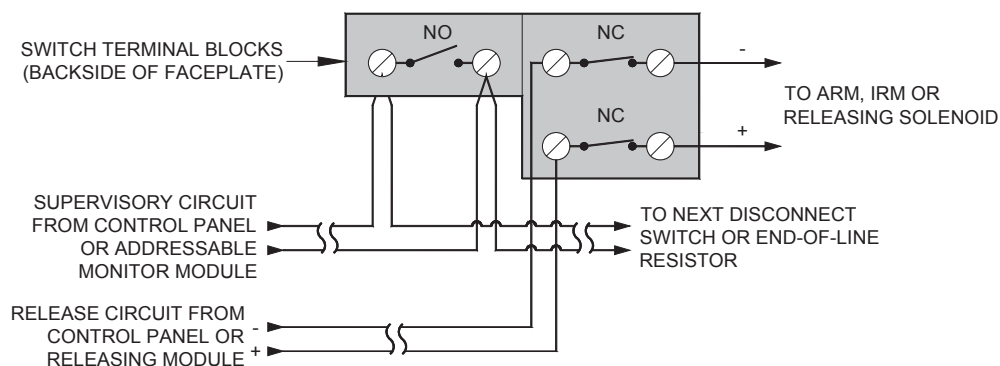
- UL Listed - S3217
- FM Approved - 3044246
- CSFM - 7300-0900:0155
- City of New York - 6079



## ORDERING INFORMATION

Fike P/N	Description		
10-2698	Suppression Disconnect Switch, no LEDs		
10-2699	Suppression Disconnect Switch, with LEDs		
Spare Parts			
02-12294	Double contact block (2 NC)	02-12316	Single contact block (NC)
02-12295	Double contact block (2 NO)	02-12317	Double contact block (1 NC/1 NO)
02-12296	Replacement keys	02-12318	Locking ring wrench
02-12297	4 block switch	02-3013	Green LED
02-12298	5 block switch	02-3009	Red LED
02-12300	Single contact (NO)	02-1553	2.2K, .5W, 5% resistor
02-12314	2 block switch	10-2714	Cover plate w/o LED holes
02-12315	3 block switch	10-2713	Cover plate with LED holes

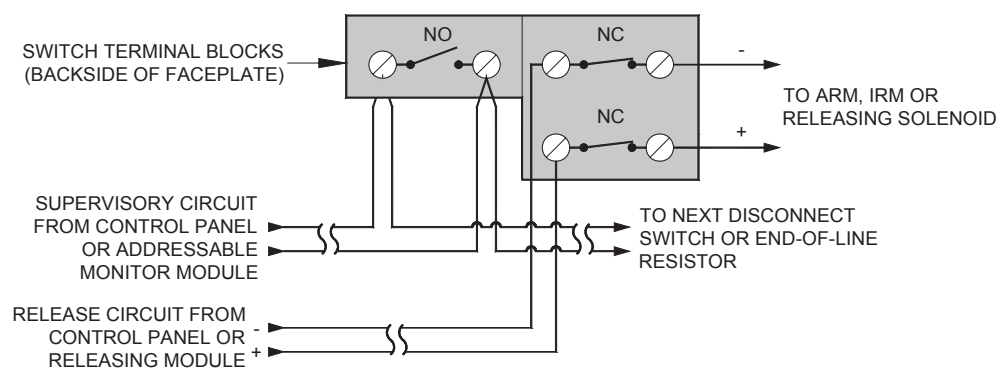
## WIRING DIAGRAMS



### NOTES:

1. WIRING DIAGRAM SHOWS SWITCH IN ARMED POSITION.
2. ALL WIRING SHOWN IS SUPERVISED AND POWER LIMITED.

### Switch without LEDs



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### Switch with LEDs