

SFC-300 SERIES Fire Alarm Control Panels



Description

Summit's SFC-300 Series Fire Alarm Control Panels are microprocessor based units designed for maximum flexibility and easy installation. Fully configurable from the front panel using the push buttons and DIP switches, it enables the user to configure the system to meet their specific requirements.

The SFC-300 Series panels come complete with Eight Class B (Style B) Initiating Circuits which may be configured as Four Class A (Style D) Circuits. The panels can be expanded up to 24 Class B or 12 Class A circuits with the addition of the SDM-308 Initiating Circuit Module. In addition the panels come equipped with Four Class A/B (Style Z/Y) Indicating circuits which are each rated at 1.7 Amps. The SFC-300 Series also include a 6 Amp Power Supply which powers the system and supplies two 4-wire resettable regulated smoke power supply of 24 VDC 200mA maximum each. The SFC-300 Series panels also allow for the addition of two SSM-304 Signal Modules or two SRM-308 Relay modules in place of the SDM-308 Initiating Circuit Adder Modules. (Maximum of 3 Adder modules)

The enclosure is available with a red door and black backbox. A Fire Retardant Lexan Window in the hinged door allows for viewing of the status LEDs. It comes with a durable CAT-30 lock and key. Space is provided for up to 17 AH Gel Cell batteries.

Features

- Listed to UL 864, 9th edition
- Eight Class B (Style B) Initiating Circuits which may be configured as Four Class A (Style D) Circuits. Expandable up to 24 Class B or 12 Class A Initiating Circuits
- Four Class A/B (Style Z/Y) Indicating Circuits with individual trouble indicators (1.7 Amps max. per circuit)
- Each Indicating Circuit can be configured as Silenceable or Non-Silenceable. Audibles may be configured as Steady, Temporal Code, California Code or March Time
- Each Initiating Circuit can be configured as Alarm, Supervisory, Waterflow or Trouble
- Two LEDs per Initiating circuit; one for Trouble and one for Status
- Initiating and Indicating Circuits may be individually disconnected by a DIP switch
- Configurable Signal Silence Inhibit, Auto Signal Silence, Two-Stage Operation and One Man Walk Test
- Alarm Verification on Initiating Circuits
- Subsequent Alarm, Supervisory and Trouble operation
- Two outputs for 4 wire resettable smoke power supply (200 mA Max. each)
- Auxiliary relay contacts for Common Alarm and Common Supervisory as well as a Common Trouble Relay (Each relay contact Form C, 28 VDC @ 1 Amp (resistive))
- RS-485 Interface for Remote Multiplex Annunciators
- Interface for Remote Trouble Indicator
- Easy configuration via push buttons and DIP switches on the front panel
- Extensive Transient Protection
- 6 Amp Power Supply
- Removable door for easy installation and servicing

Optional Modules

- SUDACT-300A Universal Digital Communicator
- Polarity Reversal and City Tie Module
- Semi-Flush mounting available with use of optional trim ring (FA-UNIV-TRB)



S24005



S24005



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MEI
approved

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Application

The Summit SFC-300 Series are designed as economical Microprocessor Based Fire Alarm Control Panels which are expandable up to 24 display points. Ideal for applications such as small institutional and commercial buildings, shopping malls, offices and public establishments, the SFC-300 Series are configurable to meet virtually all requirements.

Adder Modules

SDM-308 Eight Initiating Circuit Module

The SDM-308 Module provides the SFC-300 Series Fire Alarm Control panels with up to Eight Class B (Style B) or Four Class A (Style D) Initiating Circuits which can be configured for Alarm, Supervisory, Waterflow or Trouble circuits.

SSM-304 Four Indicating Circuit Module

The SSM-304 Module provides the SFC-300 Series Fire Alarm Control panels with up to Four Class A or B (Style Z or Y) Indicating Circuits. Each Indicating Circuit is rated at 1.7 Amps and can be configured as Non-Silenceable (Steady) or Silenceable.

SRM-308 Eight Relay Circuit Module

The SRM-308 Eight Relay Circuit Module provides eight programable Form C relays. Each relay is rated for 28 VDC @ 1 Amp max. The SRM-308 Relay Adder Module comes with removeable terminal blocks for easy wiring and servicing.

Ordering Information

| Model Number | Description |
|---|--|
| SCF-300 Series Fire Alarm Control Panels | |
| SFC-308K | Microprocessor Based Fire Alarm Control Panel expandable up to 24 display points. The panel comes complete with Eight Class B (Style B) Initiating Circuits or Four Class A (Style D) Initiating Circuits, Four Class A/B (Style Z/Y) Indicating Circuits, 6 Amp Power Supply a red backbox and a black enclosure. |
| FA-UNIV-TRB | Semi-Flush Trim Ring |
| Adder Modules | |
| SDM-308 | Eight Class B (Style B) or 4 Class A (Style D) Initiating Circuit Module |
| SSM-304 | Four Class A/B (Style Z/Y) Indicating Circuit Module (Rated at 1.7 Amps per circuit) |
| SRM-308 | Eight Relay Circuit Module c/w eight Form C relays (Rated for 28 VDC @ 1 Amp. max. per relay) |
| Auxiliary Modules | |
| SUDACT-300A | Digital Alarm Communication Transmitter/Dialer Module |
| SPR-200 | Polarity Reversal and City Tie Module |
| Remote Annunciators | |
| SRAM-208R | Eight zone Remote LED Annunciator |
| SRAM-216R | Sixteen zone Remote LED Annunciator |
| SRAM-316TZ | Sixteen zone Remote LED Annunciator. Mounts in SBB-301 series enclosure. |
| SRAM-332TZ | 32 zone Remote LED Annunciator. Mounts in SBB-301 series enclosure. |
| SBB-301R | Red Semi-Flush Enclosure for SRAM-316/SRAM-332. |
| SBB-301WPR | Red Semi-Flush Weatherproof Enclosure for SRAM-316/SRAM-332. |
| TH-101 | Heater Kit for use with SBB-301WPR |
| SRTI-200 | Remote Trouble Indicator |
| Batteries | |
| BA-110 | 12 Volt, 10 Amp/Hr. Battery - 2 pcs required per panel |
| BA-117 | 12 Volt, 17 Amp/Hr. Battery - 2 pcs required per panel |

The panels are designed to be easy in installation, operation and maintenance. This makes the system cost effective and very reliable for its intended applications.

Dimensions

26"H x 14½"W x 4½"D

Auxiliary Modules

SPR-200 Polarity Reversal/City Tie Module

The SPR-200 provides outputs for city box and polarity reversal applications. As a city tie module the SPR-200 provides an interface between the control panel indicating circuits and a master box. As a polarity reversal module the SPR-200 provides an interface between the control panel and a reverse polarity receiver.

SUDACT-300A Digital Alarm Communicator Transmitter/Dialer Module

The SUDACT-300A Digital Alarm Communicator Transmitter/Dialer Module allows Summit's SFC-300 Series Fire Alarm Control Panels to transmit Alarm, Supervisory and Trouble information on two telephone lines to a monitoring facility.