

DESCRIPTION

The FC-4224 Fire Alarm Control panel is a proven, versatile, four-zone control with space to accommodate an optional digital communicator. It meets the requirements of NFPA Standard 72 for Central Station, Protected Premises, and Remote (DACT) Supervising Station Fire Alarm Systems. It is Listed to UL Standard 864, inherently power limited and meets all UL transient immunity requirements.

The many features of the FC-4224 control provide a cost-effective approach to systems design, and allow a great degree of flexibility in one enclosure. These features include a choice of four (4) Class B, Style B or two (2) Class A, Style D initiating circuits together with a choice of two (2) Class B, Style Y or one (1) Class A, Style Z notification appliance circuit, rated at 1.25 amps each. Notification appliance circuits can be configured as silenceable or non-silenceable.

DIP switch programming is used throughout, eliminating the need for computers and associated software.

A time delay of 30, 60 or 90 seconds is available for waterflow switches.

The control is housed in a red steel enclosure with a window offering a view of LEDs displaying the status of vital functions and allowing access to switches controlling system operation. The surface mounted enclosure, with its slim appearance (3 3/8-inch depth) is designed to blend with any environment. Space is available for two (2) B-7R batteries.

Supervision of vital components, plug-in modules, functional switches and standby batteries is provided.

The optional digital communicator includes a wide range of selectable transmission formats to communicate to most central stations. Other features of the communicator are: A line-active indicator for each of two phone lines, "Kiss-Off" signal LED, dual "low telephone voltage detect" circuitry and programmable event codes per format. The FC-4224 control is programmable for AC power loss delay required for DACT operation.

An optional serial annunciator driver allows remote alarm annunciation to as many as four (4) Model FC-2866 remote annunciators.

Other optional modules include the FC-2880 I/O module which provides 34 pre-defined open collector outputs that can be used to drive LEDs or relays.

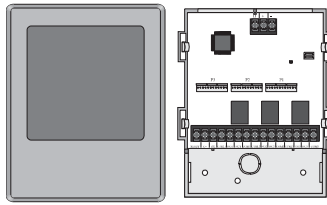


FEATURES

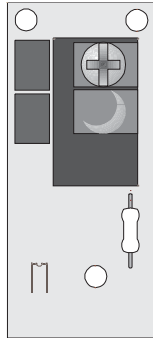
- Inherently Power Limited**
- DIP Switch Programming**
- Choice of Output Patterns Including ANSI S3.41**
- Programmable Time Delay for Waterflow Switches**
- Periodic Trouble Reminder**
- Walk Test Feature**
- Optional Digital Communicator with Multiple Reporting Formats**
- Serial Annunciator Output (Optional)**
- Surface Mount Technology**

AGENCY APPROVALS

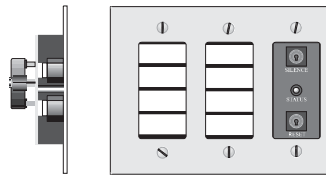
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|------|----------|
| UL | S1869 |
| CSFM | Approved |



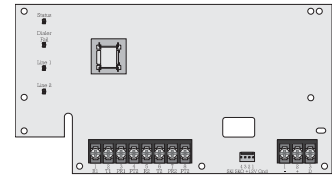
FC-2880 Annunciator Driver Module



FC-2884 Serial Driver Module



FC-2866 Remote Zone Annunciator



FC-2104 Digital Alarm Communicator Transmitter

OPERATING CHARACTERISTICS AND DIMENSIONS

| | |
|------------------------------|--|
| Supervisory current | .065 amp. |
| Alarm current | .250 amp |
| Operating temperature | 32 - 120° F (0 - 49° C) |
| Relative humidity | 85% (non-condensing) |
| Dimensions | 15 1/8" H x 12 13/16" W x 3 3/8" D (38.4 cm x 33 cm x 8.5 cm) |

ORDERING INFORMATION

| Part Number | Model | Description |
|-------------|--------------------------|---|
| 150-00002 | FC-4224 | Four-zone Control, 120 VAC |
| 151-00001 | FC-2884 | Serial Driver Module |
| 151-00003 | FC-2880 | Annunciator Driver Module |
| 151-00004 | FC-2866 | Remote Zone Annunciator w/reset and silence switches |
| 151-00005 | FC-2104 | Digital Alarm Communicator Transmitter |
| 151-00019 | 2190 | Cabinet for FC-2104 DACT (optional) |
| 151-00017 | 5230 | Programmer for FC-2104 DACT |
| 151-00018 | 7860 | Cable w/spade lugs for connection to Telco RJ31X plug. (Optional) |
| 151-00020 | | Quick connect cable to connect 5230 Programmer to FC-2104 DACT |
| 151-00008 | FC-4224PC 7628 | Replacement printed circuit board UL Listed EOL resistor |
| 151-00011 | | 120 VAC Transformer (replacement) |
| 151-00012 | | 230 VAC, 50 Hz Transformer (optional) |
| | Requires one (1) FC-2884 | |

FC-2104 DACT reporting formats are:

- SIA 8 or 20
- 3/1 1,400 or 2,300 Hz
- Contact ID
- SK- 4/2
- BFSK 1,400 or 2,300 Hz