SIEMENS

MechTronics Controls
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Data Sheet
Fire Safety & Security Products

Cerberus™ PRO Fire Safety System

The new dimension in fire protection

ARCHITECT AND ENGINEER SPECIFICATIONS

- **Standard 50-point, 252-point and 504-point-capacity systems**
- **Remote viewing for the 252-point and 504-point systems**
- **One (1) or (2) two-height-unit enclosures**
- **Powerful, but user-friendly system interface**
- **Softkey buttons**
- **Primary, regulated power**
  - 170-Watts is rated at 6.5 Amps
  - 300-Watts is rated at 11.5 Amps
- **Universal AC power input:**
  - 120VAC or 240VAC
  - 50 / 60Hz @ 2.0A max.
- **Ability to network with other Siemens Fire Safety systems**
- **Built-in strobe synchronization protocol**
- **Fully field programmable, via a Windows®-laptop PC**
- **Several relay commands: *Alarm*, *Trouble*, *Supervisory*, etc.**
- **Light-emitting diodes (LEDs) for: *Power, Alarm, Supervisory, Silenced, Ground Fault, Trouble*, and system-status LEDs**
  - *Alarm* command has a larger, distinctive LED
- **LED-option provides LED annunciation of system activity**
- **Backlit, 2" —x— 4-3/4" liquid-crystal display (LCD)**
  - 40-characters per row
  - Eight (8)-line display

- **Global annunciation and control capability**
- ***SureWire*™ addressable-loop technology**
  - Polarity-insensitive (patented) detection circuits
- **Intelligent / analog detection circuits: Class A or Class B**
- **Supports *FirePrint*™ application-specific detection**
- **Supports single-person, 'Walk Test'**
- **Sprinkler Supervision**
- **Supports pre-action, deluge and *Sinorix*™-agent releasing**
- **Releasing-valve monitoring**
- **Detector Sensitivity Readout / Printout**
  - per NFPA 72

- **Supervised remote printer, via Remote Peripheral Module**
- **RS—485 interface**
- **End-user 'Help' screens**
- **Four-way navigation menu with extended-views capability**
- **Multiple command stations**
- **Menu-driven operator commands**
- **5,000-event history-logging capability with on-line and off-line reports**
  - Off-line reports can be viewed the custom-configuration programming tool
- **Multiple levels of password protection**
- **Automatic environmental compensation for smoke detectors**
- ***Alarm* verification**
  - by device or zone
- ***Gas Alarm* command for CO detection**
- **Pre-alarm operation**
- **Degrade-mode operation**
- **Seismic certified**
- **Logic-controlled output functions**
- **Optional city-tie / leased-line module**
- **Distributed processing**
- **Optional notification-appliance-circuit (NAC) expansion module**
  - Up to 3.0 amps (24VDC) load per output
- **NEC 760 power-limited circuits**
  - (®UL 864-compliant)
- **®UL 864 9th Edition Listed; FM, CSFM and NYC Fire Dept. Pending**

System Overview

The Cerberus PRO Fire Safety System — a new dimension in fire protection from Siemens Industry – Fire Safety — is a technologically advanced fire-and-life-safety system. Each Cerberus PRO system provides easy operation via its push-button soft keys; a backlit, 2" —x— 4-3/4" LCD screen; as well as a (4) four-way navigation push button — all located in the upper portion of each panel.

Through the use of its unique multiprocessor 'Network' design – along with its ability to utilize intelligent detection devices – Cerberus PRO epitomizes a flexible and highly configurable fire system. *SureWire*™ addressable-loop technology is supported by Cerberus PRO.

Cerberus PRO is ideally suited for small and mid-market applications by providing 50, 252 and 504-point addressable fire-alarm-control-panel (FACP) networking.

In conjunction with these new and improved FACPs is a state-of-the-art line of intelligent detectors. For example, the Multi-Criteria Fire / CO Detector [with ASA*technology*™] is cutting-edge technology for specialized applications — such as carbon-monoxide detection — compared to standardized detectors, while the Photoelectric Smoke Detector uses microcontroller circuitry and surface-mount technology for maximum reliability.

The Cerberus PRO Fire Safety System is ®UL 864 9th Edition Listed.

Cerberus™ PRO Fire Safety System 9800

Cerberus PRO Components

50-point Cerberus PRO FACP

50-point Cerberus PRO FACP

Model FC901 is an addressable FACP that provides a cost-effective solution for simple fire-alarm system applications. Model FC901 contains one (1), built-in DACT and two (2) NACs.

Small and compact in design, Model FC901 is ideal for small fire-protection applications using less than 50 addressable devices:

- retail outlets / strip malls
- doctor's offices
- dry cleaners
- restaurants
- banks, etc.

The dimensions of Model FC901 (connected to a one-height-unit enclosure) are approximately as follows: 16.25" (H) [41.3 cm.] —x— 18" (W) [46 cm.] —x— 5" (D) [41.3 cm.]

The weight (without operating unit or batteries) is approximately 9 Lbs [4082 g].

252 / 504-point Cerberus PRO Fire Safety system

252 / 504-point Cerberus PRO Fire Safety system

The Cerberus PRO Fire Safety Model FC922 (252-point) and FC924 (504-point) addressable FACP is designed to meet the fire-protection needs of mid-size buildings.

This advanced panel offers features typically required in mid-size buildings in a package that is easy to install and competitively priced. Additionally, Models FC922 and FC924 are networkable, allowing the systems to fulfill the growing fire-protection needs of the building.

The following Cerberus PRO Fire Safety system components are used in the 252-point / 504-point FACP:

- Operating units
- Periphery boards
- Power supplies
- System enclosures

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**Building Technologies Division**

Standard Operating Units   Operating Units with LEDS

Operating Interface Units

The Operating Interface Units (Models FCM2018-U3 and FCM2019-U3) function as the operator interfaces and central microprocessors for the Cerberus PRO FACPs (Models FC922 and FC924).

The Model FCM2018-U3 and Model FCM2019-U3 modules provide multi-use capability for each end-user to efficiently 'Acknowledge' events; to quickly control the notification-appliance circuits (NACs) of the corresponding FACP, and to permit a manual reset of the respective system. Detailed information about the nature and location of the events can also be displayed, via a 2"—x— 4-3/4", backlit LCD screen.

Models FCM2018-U3 and FCM2019-U3 contain the site-specific program configuration created in the custom-configuration tool (Model FX901-U3). The controller in each interface module provides all system logic and supervision.
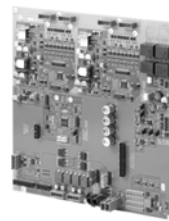
FCI2016-U1
(Periphery board for 252-point Cerberus PRO Fire Safety system)

FCI2017-U1
(Periphery board for 504-point Cerberus PRO Fire Safety system)

Periphery Boards

The periphery boards (Models FCI2016-U1 and FCI2017-U1) encompass the key components for operating the Cerberus PRO panels (Models FC922 and FC924).

Each module operates and monitors input-device identity; as well as controls the signaling-line circuits that communicate with smoke detectors and other field devices (i.e. — FDnet).

Each periphery board is equipped with two (2) programmable 'Class B' (Style Y) or 'one (1) Class A' (Style Z) NAC, providing 24VDC, nominal @ up to 3A per circuit of audible / visual notification appliances.

The periphery boards mount directly on the enclosure back boxes of the Model FC922 and Model FC922 Cerberus PRO panels. Models FCI2016-U1/ FCI2017-U1 provide two (2) parallel auxiliary powered, short-circuit-protected connections (regulated 24VDC, 1.5A max) that supply power to external devices or modules. The system periphery boards also include a Bell Follower terminal connection.

Cerberus PRO Components – (continued)
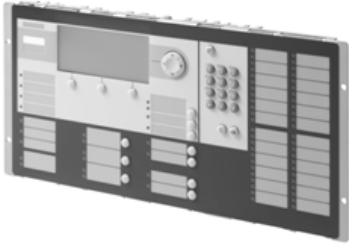
Fire Terminal Board

Fire Terminal Board (and equipment)

The Fire Terminal Unit and equipment connects to FCNET network that can be configured for system-global view or specific-panel local view. This configuration allows the operator for system control to 'acknowledge' events; control system NACs, and reset the system.

The Fire Terminal Board and equipment allows for connection to the Remote Peripheral Module (Model FCA2018-U1) and / or the Remote Terminal Displays (Models FT2014-U3 / R3; FT2015-U3 / R3).

A Cerberus PRO FACP can be controlled and operated from the Fire Terminal Boards, which use large, lighted buttons that prompt users to the next correct, available system-operation event: *Acknowledge*, *Silence*, *Unsilence*, *Audible* or *Reset*.)

The Fire Terminal Boards contain a large 6" display (1/4 VGA) monochrome LCD display, touch screen and LEDs for displaying system status. An audible will sound when there are unacknowledged events on the system.

The Fire Terminal Boards contain the site-specific program configuration which is created in the custom-configuration programming tool (Model FX901-U3).
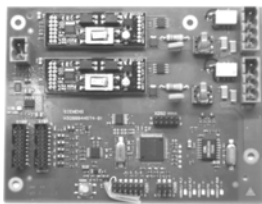
**Digital Alarm
Communicator Transmitter**

Digital Alarm Communicator Transmitter

The Digital Alarm Communicator Transmitter (DACT) is used to provide communication between the Cerberus PRO fire alarm control panels (Models FC922 and FC924) and with either a central or remote monitoring station.

The Model FCA2015-U1 module mounts directly on the back enclosure and connects to the periphery boards. The DACT enables remote transmission of alarms and events via a public telephone line.

Further, Model FCA2015-U1 supports two (2) lines and four (4) accounts, and can transmit serial information (including the address of the event) to the monitoring station.

Any of the accounts can send *Alarm*, *Gas Alarm*, *Supervisory*, *Trouble*, *Reset*, or *Trouble*-restore data (or any combination) as required. Each DACT can perform the automatic 24-hour test required by NFPA, Chapter 4.
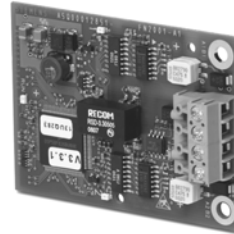
SAFEDLINK / FCnet Network Module

## SAFEDLINK / FCnet Network Module

The SAFEDLINK network module (Model FN2001-A1) is used to network up to 16 FACPs and the fire terminal unit (Model FT2050), via the FCnet system bus. The SAFEDLINK network module is plugged into the Operating Unit (Models FCM2018-U3 or FCM2019-U3).

Model FN2001-A1 supports 'peer-to-peer' networking between the following systems:

- Model FC922
- Model FC924
- Model FT924

The Model FN2001-A1 connects to system-bus inputs and outputs, and the module has ground-fault monitoring as well as an integrated degrade-mode function.

Redundant networking is accomplished with one (1) network module per panel [simple loop trouble]. There is electrical isolation between the system bus and the FACP.
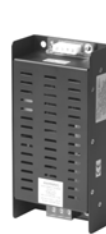
170-Watt Power Supply   300-Watt Power Supply

Power Supply Modules

The 170-Watt power supply (Model FP2011-U1) and 300-Watt power supply (Model FP2012-U1) provide primary, regulated (24VDC, nominal) power for normal operation to Siemens – Fire Safety systems. Both power supplies are filtered and regulated. Model FP2011-U1 is rated 24VDC, nominal, at 6.5 Amps, and Model FP2012-U1 is rated 24VDC, nominal, at 11.5 Amps.

The 170-Watt power supply incorporates a 4.0A, non-resettable slow-blow fuse on the primary input, and includes a built-in AC-line filter for surge and noise suppression. Model FP2011-U1 mounts in a standard Cerberus PRO-brand enclosure, and there are no serviceable parts to be maintained.

Cerberus PRO Components − (continued)

The 300-Watt power supply incorporates two (2) 6.3A replaceable, non-resettable slow-blow fuses on the primary input and includes a built-in AC-line filter for surge and noise suppression. Model FP2012-U1 mounts in a Cerberus PRO-brand enclosure, and there are no serviceable parts to be maintained.

Model FP2011-U1 is used with Model PAD-4, as well as with Models FC901, FC922 and FC924 FACPs. Model FP2012-U1 operates with Model PAD-4, as well as with Models FC922 and FC924 FACPs.
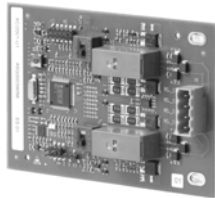

NAC Expansion Module

NAC Expansion Module

The NAC expansion module (Model FCI2011-U1) is an optional module that is connected to the peripheral boards (Models FCI2016-U1, FCI2017-U1), providing additional NACs to 252-point and 504-point systems, respectively.

One (1) 'Class A' or two (2) 'Class B' NACs are provided with the following Cerberus PRO systems:

- Model FC922   (252-point)
- Model FC924   (504-point)

Each NAC is rated at 3 Amps. Each NAC expansion module is monitored for open-line and short-circuit conditions.

Releasing Module

Releasing Module

The Cerberus PRO Fire Safety System releasing module (Model XCI2001-U1) is an optional module that is connected to the peripheral boards (Models FCI2016-U1, FCI2017-U1), providing additional NACs to 252-point and 504-point systems, respectively.

Model XCI2001-U1 supports activation of releasing valves in pre-action / deluge systems (including double-interlock pre-action systems, or Sinorix engineered fire suppression systems). Activation can be event-controlled or performed manually. Model XCI2001-U1 supports only 'Class B' releasing circuits.

When installed on a Model FC922 or Model FC924 Cerberus PRO FACP, the releasing module contains an integral manual-disconnect switch for releasing circuits. This essential feature protects the releasing circuits from accidental discharge during maintenance.

Activation can be accomplished via cross zoning of automatic detectors or manual activation.

A pre-discharge countdown timer is available for display at the operating units (Models FCM2018-U3 and FCM2019-U3).

Remote Peripheral Module

Remote Peripheral Module (with RS−485 interface)

The Remote Peripheral Module (FCA2018-U1) provides a means of connecting a Cerberus PRO Fire Safety system to a parallel printer for creating a hard copy of system-status and configuration reports. This supervised, intelligent module contains built-in transient protection and plain-decimal addressing.

Model FCA2018-U1 is remotely connected to the Model FCA2016-U1 RS−485 communication bus from any Cerberus PRO Fire Safety system enclosure. Model FCA2018-U1 uses 'Class B' (Style 4) or 'Class A' (Style 6) wiring, and provides two (2) RS−232 (serial) ports and a single parallel port that allow connection to the parallel printer (Model PAL-1).

When Model PAL-1 is used with the remote peripheral module, Model FCA2018-U1 supervises the printer for *On / Off* L*ine*, *Power On*, *Paper Out*, *Paper Jam*, and wiring-fault conditions, as required by ®UL for NFPA 72 proprietary systems.

Event and report printing is generated at the operating units (Models FCM2018-U3 and FCM2019-U3) on the main Cerberus PRO system.

Remote Display Terminal
(with [3] three control buttons)

Cerberus PRO Components − (continued)
Remote Display Terminals (with RS−485 interface)

The Remote Display Terminals (Models FT2014-U3 / R3and FT2015-U3 / R3) are LED / LCD units that show the existing status of a Cerberus PRO FACP. A LED will illuminate for any given *Alarm*, *Supervisory* and *Trouble* Cerberus PRO-system event. A 2" —x— 4-3/4" LCD screen will give details of the event in alphanumeric form. The display screen can be scrolled to reveal additional events. Optional remote-system-control capabilities are also available.

When an event has been triggered to the FACP, the LCD will show the following:

- Event type and zone
- Time of the event
- Custom message for that zone
- Usage of the zone
- 'Unacknowledged' or 'Acknowledged' event

The display has an event-initiated backlight feature that also operates when any buttons are pressed.

The Model FT2014-series has a button used to silence the local sounder. The Model FT2015-series has three (3) control buttons for acknowledging events, silencing audible circuits and resetting the system. Additionally, there are three (3) user-programmable buttons available. The Model FT2015-series has a key switch that enables the control buttons to operate.

The remote display terminals are remotely connected to the Cerberus PRO FACP, via the RS−485 interface. The Model FC922 and FC924 Cerberus PRO panels require the Model FCA2016-U1 RS−485 module to provide communication to the remote display terminals. Model FCA2016-U1 supports Style 4 or Style 6 wiring. Up to eight (8) modules can be supported on a RS−485 bus.

Leased-Line / City-Tie Module

Leased-Line / City-Tie Module

The leased-line / city-tie module (Model FCI2020-U1) is used as an optional module, providing a local-energy output for municipal call-box connection. Model FCI2020-U1 also gives a reverse-polarity output for leased-line connection. Model FCI2020-U1 is installed on the periphery board for Models FC922 and FC924 FACPs, respectively, but is installed on the back of the main board of the Model FC901 FACP.

When used for connection to a municipal call box, the city-tie function supports *Alarm*-event transmission. When used for leased-line connection, the module supports two (2) leased telephone lines for transmitting *Alarm*, *Trouble* and *Supervisory* events.

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Single-Mode / Multi-Mode Fiber-Optic Module

Single-Mode / Multi-Mode Fiber-Optic Module

The single-mode (Model FN2006-U1) / multi-mode (Model FN2007-U1) fiber-optic interface module can be used to transmit RS−485 communication for the Cerberus PRO Model FC922 and FC924 (FACP), as well as the Model FT924 fire-alarm terminal.

The single-mode / multi-mode fiber-optic module provides FCnet peer-to-peer network communication between the Cerberus PRO 252-point and 504-point fire systems.

Models FN2006-U1 / FN2007-U1 require 24 Volts DC [nominal] power, and the Models FC922 or FC924 FACP serve as the source for this power requirement. Models FN2006-U1 / FN2007-U1 can also be powered from any ⓊUL Listed, regulated 24VDC power supply, such as Model PAD-4.

Models FN2006-U1 / FN2007-U1 can be mounted in a Cerberus PRO one-height-unit or two-height unit enclosure and can operate in a daisy-chain configuration.

The connection between single-mode fiber-optic modules uses two (2), high-quality duplex 9/125 fiber-optic cables and ST-style fiber connectors. The duplex fiber-optic cable has two (2) cables in a single shield similar to an electrical zip cord. Each segment of the fiber network can be up to almost 10 miles.

For 'Class B' installations, each FACP or terminal at either end of the daisy chain use one (1) duplex cable for connection to the next networked panel or terminal. FACPs or terminals within the daisy chain require two (2) duplex cables: one (1) duplex cable for connection to the previous FACP, and one (1) duplex cable for connection to the next FACP.

For 'Class A' installations, each FACP or terminal requires two (2) duplex cables: one (1) duplex cable for connection to the previous FACP, and one (1) duplex cable for connection to the next FACP.
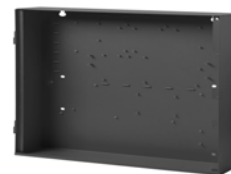
Model FHB2001-U1
[for One-Height-Unit Enclosures]

Cerberus PRO Components – (continued)
One-Height-Unit Enclosure

For each Cerberus PRO panel, one (1) red or black back box supports one (1) red or black outer door, respectively. The inner door, which is available in black, specifically stores the system operating units (Models FCM2018-U3 and FCM2019-U3). The back box supports the fire-terminal board (Model FTI2001-U1), and optionally supports the DACT (Model FCA2015-U1).

The one-height-unit enclosure is the smaller housing for the Cerberus PRO Fire Safety System. The following components comprise a complete one-height-unit enclosure:

- One (1) back box, (Model FHB2001-U1 / R1)
- One (1) inner door, (Model FHD2004-U1)
- One (1) outer door, (Model FHD2001-U3 / R3)
- One (1) clear lens, (Model FHD2006-U1)

Approximate size: 15" (38.1 cm.) high;
                     20" (50.8 cm.) wide,
                     and 4.5" (11 cm.) deep.

Model FHB2002-U1
[for Two-Height-Unit Enclosures]

Two-Height-Unit Enclosure

The two-height-unit enclosure is the larger housing for the Cerberus PRO Fire Safety System. The following components comprise a complete two-height-unit enclosure:

- One (1) back box, (Model FHB2002-U1 / R1)
- One (1) or two (2) inner doors, (Models FHD2004-U1 or FHD2005-U1)
- One (1) outer door, (Model FHD2002-U3 / R3 or FHD2003-U3 / R2)
- One (1) or two (2) clear windows, (Model FHD2006-U1)

Note: One (1) window is installed for Model FHD2002-U3 / R3 outer door, and two (2) windows are required for Model FHD2003-U3 / R3.

Approximate size: 28.5" (72.4 cm.) high;
                     28" (71.2 cm.) wide,
                     and 6.0" (15.2 cm.) deep.

Inner doors

There are two (2) inner doors available for Cerberus PRO system enclosures. Model FHD2004-U1 supports one (1) operating unit {Model FCM2018-U3; with LED: Model FCM2019-U3}, or one (1) to four (4) LED-option modules (Model FCM2023-U3).

When less than four LED option modules are used, the blank-option module (Model FCM2022-U3) covers unused module spaces in the inner door.

Approximate size: 13.25" (33.7 cm.) high and 20" (50.8 cm.) wide.

Note: Model FHD2005-U1 is a solid blank plate used to provide dead-front protection.

Outer-door clear windows

The window (Model FHD2006-U1) is a rugged Lexan® lens, and is mounted to the opening of the outer door.

Approximate size: 10.25" (26.04 cm.) high and 17" (43.2 cm.) wide.

Enclosure Trim Kits

Each size enclosure has a trim kit available in black and red. The trim kit is used for flush mounting a Cerberus PRO system enclosure. Model FHA2035-U1 / R1 is used for the one-height-unit enclosure, and FHA2036-U1 / R1 is used for the two-height-unit enclosure.

DIN rail kit

The optional DIN Rail Kit (Model FHA2031-U1) mounts in the back box of a one or two-height-unit enclosure, and provides connection between internal-system wiring and field wiring.

Battery bracket

An optional battery bracket (Model FHA2032-U1) can be used to secure batteries up to 33AH. Model FHA2032-U1 is required to comply with seismic certification, pursuant to ASC / SEI 7-05, Section 13.2.2.
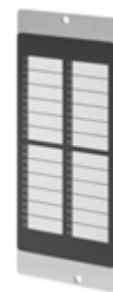
[LED option]   **[Blank option]**

LED-Option Module

Model FCM2023-U3 is a LED-option module that provides LED annunciation of system activity.

The LED-option module contains 12 indicator zones, and each zone contains one (1) red / green bi-color LED and one (1) yellow LED.

Any event can be assigned to each LED, which may be configured as a 'static' or 'flashing' indicator using the Cerberus PRO Fire Safety system's custom-programming tool (Model FX901-U3). Normally the LED indicator is used as a zone indicator.

The LED-option module is connected to the peripheral data bus, and can be cascaded to up to a maximum of four (4) LED modules. A space is provided for labeling of LED functions. The label slides behind a clear, protective membrane.

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Cerberus PRO Components – (continued)
Blank Option Module

Model FCM2022-U3 is a Cerberus PRO Fire Safety blank-option module intended to cover any blank LED areas where LED modules are not being occupied.

Model FCM2022-U3 and Model FCM2023-U3 are mounted on the inner door of a Cerberus PRO Fire Safety enclosure. Any combination of Models FCM2022-U3 and FCM2023-U3 modules may be mounted on the inner door. Up to four (4) total modules can be supported.

Temperature and Humidity Range

Cerberus PRO products are ®UL 864 9th Edition Listed for operation within the temperature range of 32° to 120°F (0°C to 49°C), and a relative humidity of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).

Related Documentation

Model Number	Data Sheet Number	Description
OH921	9600	Multi-Criteria Fire Detector
HI921	9601	Thermal (Heat) Detector
OP921	9602	Photoelectric Smoke Detector
OOHC941	9603	Multi-Criteria Fire / CO Detector [with ASA*technology*™]
OOH941	9604	Multi-Criteria Fire Detector [with ASA*technology*™]
FDCIO422	9605	4-Input / 4-Output Interface Module

Details for Ordering

Model Number	Part Number	Description
FCA2015-U1	S54400-A63-A1	Digital dialer for Model FC901
FCA2016-U1	S54400-A39-A1	RS—485 Interface
FCA2018-U1	S54400-A65-A1	Remote Peripheral Module
FCM2018-U3	S54400-C40-A2	Operating Interface Unit
FCM2019-U3	S54400-C41-A2	Operating Interface Unit [with LED]
FCI2016-U1	S54400-A55-A1	Periphery Board for Model FC922
FCI2017-U1	S54400-A56-A1	Periphery Board for Model FC924
FTI2001-A1	S54400-A58-A1	Fire Terminal Board
FHB2001-U1	S54400-B47-A1	One-Height-Unit Back Box, black
FHB2001-R1	S54400-B47-A2	One-Height-Unit Back Box, red
FHB2002-U1	S54400-B48-A1	Two-Height-Unit Back Box, black
FHB2002-R1	S54400-B48-A2	Two-Height-Unit Back Box, red
FHD2001-U3	S54400-B45-A1	One-Height-Unit Outer Door, black
FHD2001-R3	S54400-B40-A1	One-Height-Unit Outer Door, red
FHD2002-U3	S54400-B32-A1	Two-Height-Unit Outer Door [with one (1) window], black
FHD2002-R3	S54400-C53-A1	Two-Height-Unit Outer Door [with one (1) window], red
FHD2003-U3	S54400-C42-A1	Two-Height-Unit Outer Door [with two (2) windows], black
FHD2003-R3	S54400-B46-A1	Two-Height-Unit Outer Door [with two (2) windows], red
FHD2004-U1	S54400-B52-A1	Inner door, black
FHD2005-U1	S54400-B53-A1	Inner door, solid black
FHD2006-U1	S54400-C46-A1	Clear-lens window
FP2011-U1	500-450222	170-Watt Power Supply
FP2012-U1	S54400-Z60-A1	300-Watt Power Supply
FX901-U3	S54433-S105-A1	Cerberus PRO Configuration Tool
FN2001-A1	S54400-A60-A1	SafeDLINK Network Module
FCI2011-U1	S54400-A54-A1	NAC Expansion Module
FCI2020-U1	S54400-A57-A1	Leased-Line / City-Tie Module
FH901-U3	S54433-B103-A3	System Enclosure, Black {for 50-point system}
FH901-R3	S54433-B103-A4	System Enclosure, Red {for 50-point system}
FCM901-U3	S54433-B101-A1	50-point FACP main board
FT2014-U3	S54400-B80-A1	Remote Display Terminal, Black
FT2014-R3	S54400-B73-A1	Remote Display Terminal, Red
FT2015-U3	S54400-B88-A1	Remote Display Terminal, Black
FT2015-R3	S54400-B16-A1	Remote Display Terminal, Red
FCM2022-U3	S54400-C44-A2	Blank-Option Module
FCM2023-U3	S54400-C45-A2	LED-Option Module
XCI2001-U1	S54400-A69-A1	Releasing Module

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