

Cerberus PRO

Remote Peripheral Module (with RS-485 interface) Model FCA2018-U1 (with Model FCA2016-U1)

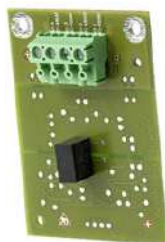
ARCHITECT AND ENGINEER SPECIFICATIONS

Model FCA2018-U1:

- Provides connection to the external-event printer (Model PAL-1)
 - Provides an interface to remote printers
 - Two (2) serial ports and one (1) parallel
- Mounts remotely from a Cerberus PRO Fire Alarm Control Panel (FACP)
 - Provided in its own enclosure
- Supervised intelligent module
- Supports 'Class B' (Style 4) or 'Class A' (Style 6) wiring
- Fast installation with IN / OUT screw terminals using #12 to #18 AWG wire
- Built-in transient protection
- Downloadable module firmware
 - Built-in flash electrically erasable programmable read-only memory (EEPROM)
- Plain-decimal addressing
- **UL 864 9th Edition Listed, ULC Listed; FM, CSFM & NYC Fire Dept. Approved**



Model FCA2018-U1



Model FCA2016-U1

Model FCA2016-U1:

- Dual, standardized RS-485 interface that is used on 252 / 504-point control panels
- RS-485 module provides communication to Model FCA2018-U1 for managing and supervising Model PAL-1
- Supports 'Class B' (Style 4) and 'Class A' (Style 6) wiring configurations
- Up to eight (8) devices on the RS-485 Universal Fire Protocol (UFP) network
- Electrical isolation between the RS-485 interface and a Cerberus PRO FACP
- Ground-fault monitoring
- **UL 864 9th Edition Listed, ULC Listed; FM, CSFM & NYC Fire Dept. Approved**

Product Overview

The Remote Peripheral Module (Model FCA2018-U1) provides a means of connecting a Cerberus PRO 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.

Specifications

Model FCA2018-U1 is remotely connected to the Model FCA2016-U1 RS-485 communication bus from any Cerberus PRO 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 Line | POWER ON | PAPER OUT | PAPER JAM**, and wiring-fault conditions, per **UL** for NFPA 72 requirement for proprietary systems.

Event / report printing, is generated at the operating unit (Model FCM20-series) on the main Cerberus PRO system.

Note: For PAL-1 connectivity with Remote Peripheral Modules on Cerberus PRO 252-point and 504-point addressable systems, a Model FCA2016-U1 (RS-485) interface must be ordered, used.

Model FCA2018-U1 has necessary mounting flanges to allow the module to be mounted unobtrusively under a table or behind a desk. Model FCA2018-U1 runs on required 24VDC, nominal, power, and this source for power can be provided from the auxiliary power connection on the Cerberus PRO system enclosure.

Power from other **UL** Listed 24VDC power sources is also acceptable. Model FCA2018-U1 has screw terminals capable of supporting a 12 to 18 American Wire Gauge (AWG) configuration.

The 252-point addressable system (Model FC922) and the 504-point addressable system (Model FC924) require having a RS-485 interface (Model FCA2016-U1) provide communication to the remote peripheral module.

Models FCA2018-U1 and FCA2016-U1 are FM (#3010); FDNY (#6104) and CSFM (#7165-0067:0259) Approved.

Cerberus[®] PRO

Fire Safety Products

9811

Remote Peripheral Module (with RS-485 interface)

Temperature and Humidity Range

Products are @UL 864 9th Edition Listed for indoor dry locations within a temperature range of 120 +/- 3°F (49 +/- 2°C) to 32 +/- 3°F (0 +/- 2°C) and a relative humidity of 93 +/- 2% at a temperature of 90 +/- 3°F (32 +/- 2°C).

Related Documentation

Product	Data Sheet Number
PAL-1 Printer	5048
Remote Display Terminals	9812
50-point Cerberus PRO System	9813
252-point Cerberus PRO System	9815
504-point Cerberus PRO System	
252-point Cerberus PRO System, @ULC markets	9815C
504-point Cerberus PRO System, @ULC markets	

Details for Ordering

Model	Part Number	Description
FCA2018-U1	S54400-A65-A1	Remote Peripheral Module
FCA2016-U1	S54400-A39-A1	RS-485 interface
PAL-1	500-692407	Parallel Printer

Technical Data

RS-485 Interface	Voltage	3.3VDC	
	Operating voltage while:	▪ Receiving	5VDC (peak)
		▪ Transmitting	5VDC (peak)
	Communication mode	Half-duplex	
	Number of participants	Eight (8), maximum	
Maximum wire length	5000 feet, max.; unshielded / twisted-pair wiring		
Connections	RS-485 Interface:	Removable Terminal Block	
	▪ Design	4-pole screw terminal	
	▪ Admissible cross-section cable	12 to 18 American Wire Gauge (AWG)	
System Interface	Plug-in-type connection		
Power Requirement	Model FCA2018-U1	24VDC @ 150mA	
PHYSICAL SPECIFICATIONS	Model FCA2018-U1 Dimensions: { W -x- H -x- D }	9.5" -x- 6.75" -x- 2.5" (24.1 cm. -x- 17.1 cm. -x- 6.4 cm.)	
	Model FCA2018-U1 Weight:	1.75 Lbs. (794g)	
	Model FCA2016-U1 Dimensions: { W -x- H -x- D }	1.97" -x- 0.6" -x- 2.76" (5 cm. -x- 1.5 cm. -x- 7 cm.)	
	Model FCA2016-U1 Weight:	0.044 Lbs. (20g)	

SIEMENS Cerberus® PRO

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NOTICE — The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice. The devices described here have specific instruction sheets that cover various technical, limitation and liability information.

Copies of these instruction sheets and the *General Product Warning and Limitations* document, which also contains important information, are provided with the product and, are available from the Manufacturer.

Data contained in these documents should be consulted before specifying or using the product. For further information or assistance, contact the Manufacturer.