

Cerberus™ PRO Fire Safety System

Remote Peripheral Module (with RS-485 interface)

Model FCA2018-U1 (with Model FCA2016-U1)

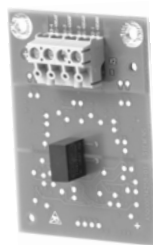
ARCHITECT AND ENGINEER SPECIFICATIONS

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 the Cerberus PRO Fire Safety System
 - 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
- Plain-decimal addressing
- **UL 864 9th Edition Listed;**
FM, CSFM & NYC Fire Dept. Pending



Model
FCA2018-U1



Model
FCA2016-U1

Model FCA2016-U1:

- RS-485 module provides communication to Model FCA2018-U1 for managing and supervising Model PAL-1
- Dual, standardized RS-485 interface
- 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 the Cerberus PRO Fire Safety System
- Ground-fault monitoring
- **UL 864 9th Edition Listed;**
FM, CSFM & NYC Fire Dept. Pending

Product Overview

The Remote Peripheral Module (Model 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.

Specifications

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 Line, 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 unit (Model FCM2018-U3 or Model FCM2019-U3) on the main Cerberus PRO system.

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, 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.

Models FC2025 and FC2050 require for the RS-485 interface (Model FCA2016-U1) to provide communication to the remote peripheral module.

Remote Peripheral Module (with RS-485 interface) **9811**

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
Remote Display Terminals	9812
50-point Cerberus PRO System	9813
252-point Cerberus PRO System	9815
504-point Cerberus PRO System	9815

Details for Ordering

Model Number	Part Number	Description
FCA2018-U1	S54400-A65-A1	Remote Peripheral Module
FCA2016-U1	S54400-A39-A1	RS-485 Interface

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
	▪ Cross-section		12 to 18 American Wire Gauge (AWG)
	System Interface		Plug-in-type connection
Power Requirement	Model FCA2018-U1		24VDC @ 150mA
	P P H Y S I C A L S	Model FCA2018-U1 Dimensions: { W -x- H -x- D }	
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)	

Notice: This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.