


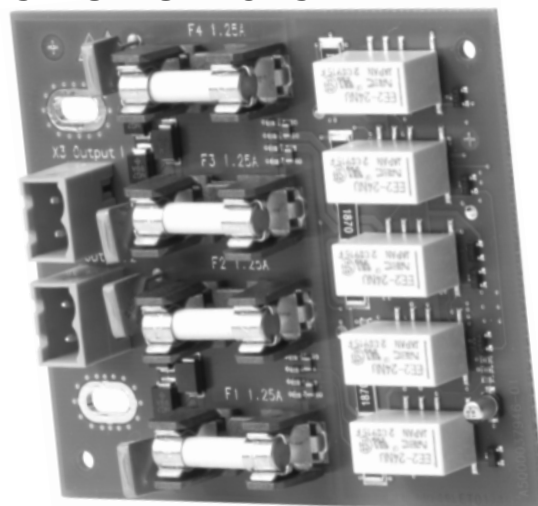
Cerberus PRO

Leased-Line / City-Tie Module

Model FCI2020-U1

ARCHITECT AND ENGINEER SPECIFICATIONS

- Connects a Cerberus PRO fire alarm control panel (FACP) to a municipal call box
 - All connections are supervised by both Cerberus PRO systems
 - Installed on the Models FC922 and FC924 FACP's periphery boards
- Provides system-event data over leased telephone lines
- Power-limited protection
- UL Listed




Product Overview

Model FCI2020-U1 is used as an optional module, and provides a local-energy output for municipal call-box connection, and gives a reverse-polarity output for leased-line connection. Model FCI2020-U1 is installed on the periphery board for Models FC922 and FC924 FACPs.

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.

The Leased-Line / City-Tie Module is FM (#3010); FDNY (#6104) and CSFM (#7165-0067:0259) Approved. Moreover, the programming software is held in flash electrically erasable programmable read-only memory (EEPROM).

Temperature and Humidity Range

Model FCI2020-U1 is 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
FC922	9815
FC924	9815

Details for Ordering

Model Number	Part Number	Description
FCI2020-U1	S54400-A57-A1	Leased-Line / City-Tie Module

Cerberus™ PRO
Fire Safety & Security Products

9810C
Leased-Line / City-Tie Module

Technical Data

Supply Inputs	Operating Currents	Leased-line 'Normal' (Standby)	27mA @ 24VDC, nominal	
		Leased-line Alarm Current	40mA @ 24VDC, nominal	
		Leased-line Supervisory	9mA @ 24VDC, nominal	
		City-tie 'Normal' (Standby)	2mA @ 24VDC, nominal	
		City-tie Alarm Current	13mA @ 24VDC, nominal	
	Voltage		24VDC, nominal; (18 – 28VDC for battery)	
O U T P U T S	Output 1 {City-Tie}	Supervisory condition	+24VDC, nominal (open)	
		Open-circuit-supervision current	1.6mA	
		Alarm operation	+24VDC, nominal (open)	
		Loop resistance at Alarm	22.5Ω, max	
		Maximum-shortcircuit current	350mA	
	Output 1 {Leased-Line}	'Normal' operation	+24VDC, nominal (open)	
		Trouble operation	0 VDC	
		Alarm operation	-24VDC, nominal (open)	
		Circuit resistance	2 – 5Ω	
	Output 2 {Leased-Line}	Maximum-shortcircuit current	25mA	
		'Normal' operation	+24VDC, nominal (open)	
		Supervisory condition	-24VDC, nominal (open)	
		Circuit resistance	2 – 5Ω	
	Connections	Design	Two (2) screw terminals	
		Admissible cable cross-section	12 – 22 American Wire Gauge (AWG)	
System Interface		Plug-in-type connection		
Physical Properties	Model XCI2011-U1 Dimensions: { W -x- H }		2.75" -x- 3.2" (7 cm. -x- 8.13 cm.)	
	Model XCI2011-U1 Weight:		1.3 Lbs. (590g)	

SIEMENS Cerberus™ PRO

Siemens – Canada, Limited
 2 Kenview Boulevard • Brampton, Ontario
 L6T 5E4 / Canada
 Tel: (905) 799-9937 • Fax: (905) 799-9858
 Web: www.USA.Siemens.com/Cerberus-PRO

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.

Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact the Manufacturer.