Cerberus™ PRO Fire Safety System

170-Watt and 300-Watt Power Supplies
Models FP2011-U1, FP2012-U1

ARCHITECT AND ENGINEER SPECIFICATIONS

- 170W (Model FP2011-U1) and 300W (Model FP2012-U1) output power

- Used with various Siemens fire alarm control panels (FACPs)

- Operates with 120VAC or 240VAC

- Monitors AC-power failure and 'brownout' conditions

- Short-circuit or over-current protection

- ®UL-recognized component

- ®UL 864 9th Edition and ®UL 1481 Listed; FM, CSFM and NYC Fire Department Pending

170-Watt power supply   **300-Watt power supply**

Product Overview

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.

Notes: Model FP2011-U1 is used with Models FC901, FC922 and FC924 FACPs.

Model FP2012-U1 operates with Models FC922 and FC924 FACPs.

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.

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.

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).

Details for Ordering

Model Number	Part Number	Description
FP2011-U1	500-450222	170-Watt Power Supply for Cerberus PRO Fire Safety System
FP2012-U1	S54400-Z60-A1	300-Watt Power Supply for Cerberus PRO Fire Safety System

SIEMENS Industry, Inc.
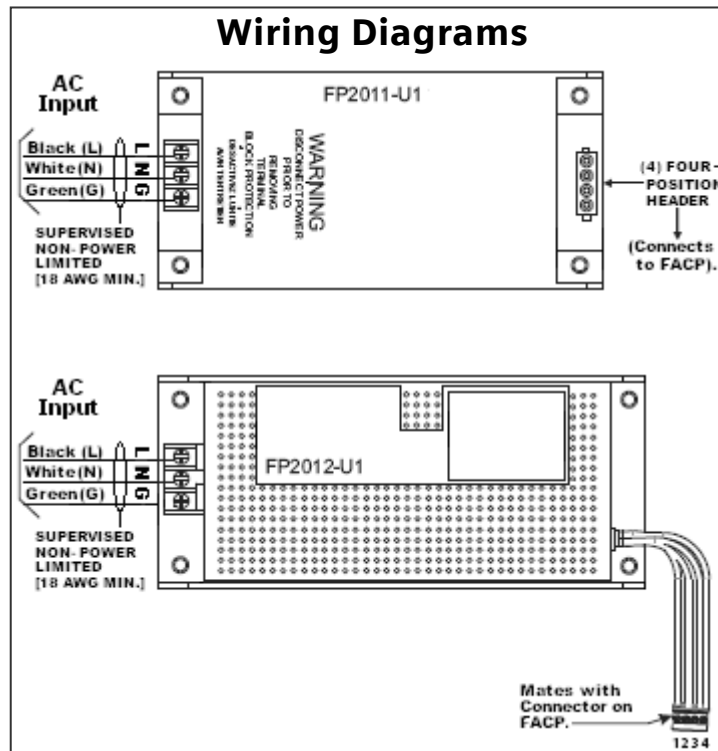Building Technologies Division

Technical Data

— Models FP2011-U1, FP2012-U1 —

Input Trouble-Monitoring Signal		Active In Event Of	No input voltage or input voltage is too low [signaling after 60s @ earliest]
Connections	Input Supply Wire Size	• **Design**	Screw terminals
		• **Admissible cable cross-section**	10 — 18 AWG [American Wire Gauge]
PHYSICAL PROPERTIES		**Model FP2011-U1 Dimensions:** { W -x- H -x- D }	7.75" -x- 3.88" -x- 1.75" (19.7 cm. -x- 9.8 cm. -x- 4.5 cm.)
		Model FP2012-U1 Dimensions: { W -x- H -x- D }	9.88" -x- 3.88" -x- 2.5" (13.0 cm. -x- 9.8 cm. -x- 6.4 cm.)
		Model FP2011-U1 Weight:	3 Lbs. (1361g)
		Model FP2012-U1 Weight:	4 Lbs. (1814g)

Electrical Ratings

Model FP2011-U1		
Input	120VAC or 240VAC, 50/60Hz @ 2.0A Max.	
Output	24VDC, nominal @ 6.5A Max.	
	Maximum Current:	6.5A Filtered and regulated

Model FP2012-U1		
Input	120VAC or 240VAC, 50/60Hz @ 3.5A Max.	
Output	24VDC, nominal @ 11.5A Max.	
	Maximum Current:	11.5A Filtered and regulated

Wiring Diagrams

AC Input

Black (L) — L
White (N) — N
Green (G) — G

WARNING DISCONNECT POWER PRIOR TO REMOVING TERMINAL BLOCK (PROTECTION DE-ACTIVATING LIMIT ALARM TRANSITION BUS)

FP2011-U1

(4) FOUR-POSITION HEADER

(Connects to FACP).

SUPERVISED NON-POWER LIMITED [18 AWG MIN.]

AC Input

Black (L) — L
White (N) — N
Green (G) — G

FP2012-U1

SUPERVISED NON-POWER LIMITED [18 AWG MIN.]

Mates with Connector on FACP.

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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.