Data Sheet

Cerberus PRO

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 to fire-only and intelligent voice communication (IVC) systems**
  - Model FP2011-U1 used with various Siemens fire-alarm control panels (FACPs)
  - Up to 252 | 504-point addressable FACPs or IVC panels can obtain primary, regulated power from 300W power supplies, Model FP2012-U1
- **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 / ®UL 1481 Listed, ULC Listed; FM, CSFM and NYC Fire Department Approved**

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, as well as with Models FV922 and FV924 IVC panels.

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.

Both power supplies are FM (#3010); FDNY (#6104) and CSFM (#7165-0067:0259) Approved.

Temperature and Humidity Range

Power supplies 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	Part Number	Description
FP2011-U1	500-450222	170-Watt Power Supply for Cerberus PRO panels
FP2012-U1	S54400-Z60-A1	300-Watt Power Supply Cerberus PRO FACPS and IVC systems

Cerberus® PRO
Fire Safety Products

9806
Power Supplies

Technical Data

Models FP2011-U1, FP2012-U1 —

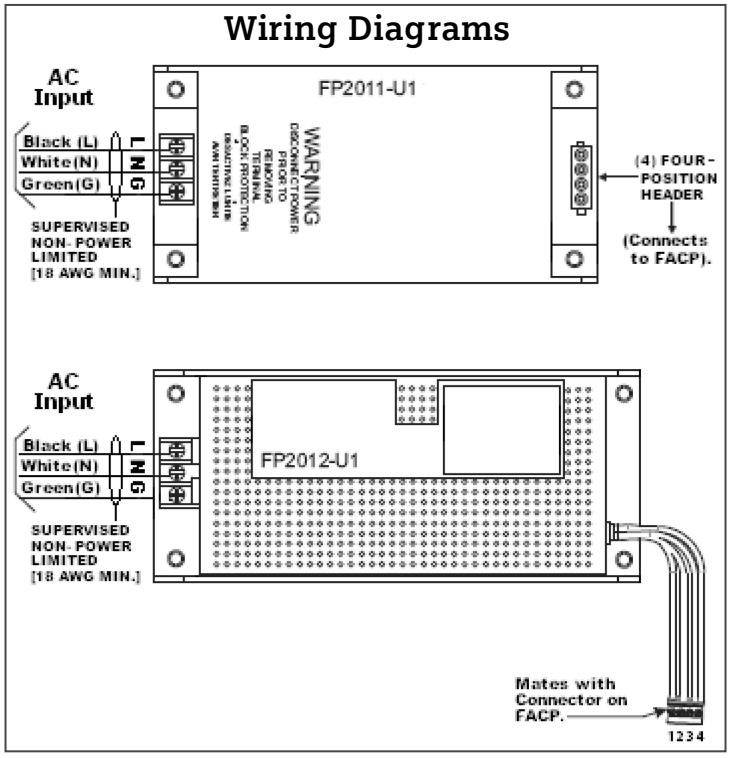
Input Trouble-Monitoring Signal	**Active In Event Of**	No input voltage or input voltage is too low [signaling after 60 s @ earliest]
Connections	**Input Supply Wire Size** ▪ **Design**	Screw terminals
	▪ **Admissible cross-section cable**	10 — 18 AWG [American Wire Gauge]
PHYSICAL PROPERTIES	**Model 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" (25 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 (+10% / -15%), 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 (+10% / -15%), 50 / 60Hz @ 3.5A Max.	
Output	24VDC, nominal @ 11.5A Max.	
	Maximum Current:	11.5A Filtered and regulated

Wiring Diagrams



SIEMENS Cerberus® PRO

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