

Desigo® Fire Safety

170-Watt and 300-Watt Power Supplies

Models FP2011-U1 | FP2012-U1

Architect & 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 10th Edition / UL 1481 and ULC-S527 Listed
- FM, CSFM and NYC Fire Department Approved

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 FC2005, FC2025 and FC2050 FACPs.

Model FP2012-U1 operates with Models FC2025 and FC2050 FACPs, as well as with Models FV2025 and FV2050 IVC panels.



Model
FP2011-U1



Model
FP2012-U1

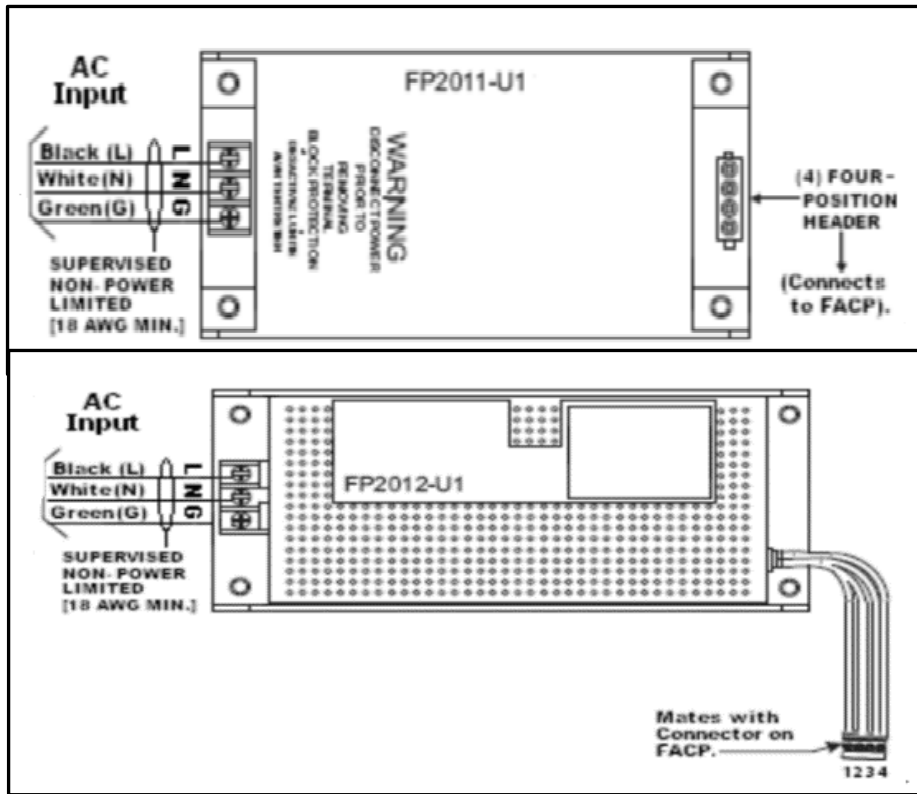
The 170-Watt power supply incorporates a 4.0A, non-resettable slow-blow fuse on the primary input, and includes a built-in AC-line filter for surge and noise suppression. Model FP2011-U1 mounts in a standard Desigo-brand enclosure, and there are no serviceable parts to be maintained.

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 Desigo enclosure, and there are no serviceable parts to be maintained.

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



Wiring Diagrams



Temperature and Humidity Range

Model FN2001-U1 is UL 864 10th Edition and ULC 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).

Technical Data		
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	<ul style="list-style-type: none"> ▪ Design 	Screw terminals
	<ul style="list-style-type: none"> ▪ 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.)
Weight:	3 Lbs. (1361g)
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.)
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

Details for Ordering		
MODEL OR TYPE	PART NUMBER	PRODUCT
FP2011-U1	500-450222	170-Watt Power Supply for Desigo Fire Safety panels
FP2012-U1	S54400-Z60-A1	300-Watt Power Supply for Desigo FACPS and IVC systems

NOTICE – The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice. The product(s) described here has/have a specific instruction sheet(s) that cover various technical, limitation and liability information.

Copies of install-type, instruction sheets – as well as the *General Product Warning and Limitations* document, which also contains important data, are provided with the product, and are available from the Manufacturer.

Data contained in the aforesaid type of documentation should be consulted with a fire-safety professional before specifying or using the product.

Any further questions or assistance concerning particular problems that might arise, relative to the proper functioning of the equipment, please contact the Manufacturer.



Desigo® Fire Safety

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