SIEMENS

Data Sheet
Fire Safety Products

Desigo® 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 to fire-only and intelligent voice communication (IVC) systems**
  - Model FP2011-U1 used with various Siemens fire-alarm control panels (FACPs)
  - The Model FC2025 | FC2050 addressable FACP – as well as the Model FV2025 | FV2050 IVC panel – obtain primary, regulated power from up to 300W power supplies, Model FP2012-U1
- **Operates with 120VAC or 240VAC**
- **Monitors AC-power failure and 'brownout' conditions**
- **Short-circuit or over-current protection**
- **ULC Listed**

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.

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 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.

Temperature and Humidity Range

Power supplies are ULC Listed for indoor dry locations within a temperature range of 49 +/- 2°C (120 +/- 3°F) to 0+/- 2°C (32+/- 3°F) and a relative humidity of 93 +/-2% at a temperature of 32 +/- 2°C (90 +/- 3°F).

Details for Ordering

Model	Part Number	Description
FP2011-U1	500-450222	170-Watt Power Supply for Desigo Fire Safety panels
FP2012-U1	S54400-Z60-A1	300-Watt Power Supply Desigo FACPs and IVC systems

Technical Data

— Models FP2011-U1, FP2012-U1 —

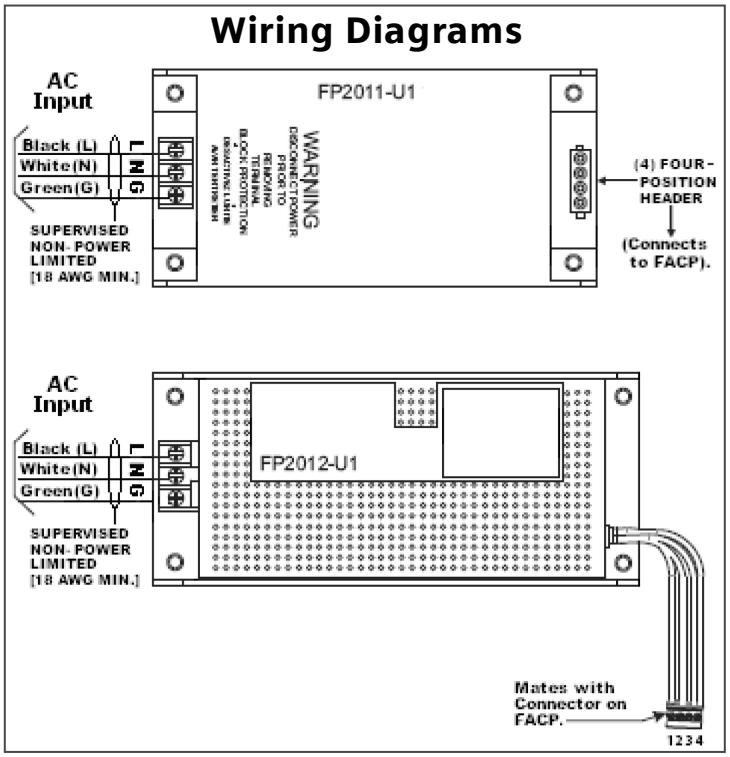
Input Trouble-Monitoring Signal	**Active In Event Of**	No input voltage or input voltage is too low [signaling after 60s @ earliest]
Connections	**Input Supply Wire Size** ▪ **Design**	Screw terminals
	▪ **Admissible cable cross-section**	10 – 18 AWG [American Wire Gauge]
PHYSICAL PROPERTIES	**Model 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 (+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



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.

SIEMENS Canada, Limited SC, Ltd.
URL: www.USA.Siemens.com/Desigo-Fire-Safety

Fire Safety
1577 North Service Road
East Oakville, Ontario
L6H 0H6 / Canada
Tel: [905] 465-8000
URL: www.Siemens.CA

October 2015
Supersedes sheet dated 2/2013
(Rev. 3)