

# 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 —

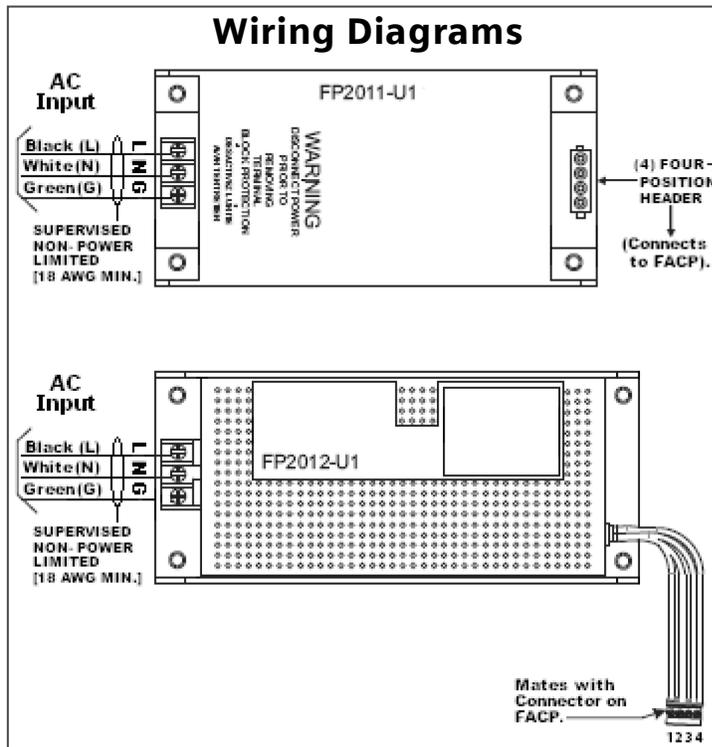
<b>Input Trouble-Monitoring Signal</b>	<b>Active In Event Of</b>	No input voltage or input voltage is too low [signaling after 60s @ earliest]
<b>Connections</b>	<b>Input Supply Wire Size</b>	10 – 18 AWG [American Wire Gauge]
	<b>Design Admissible cable cross-section</b>	Screw terminals
<b>PHYSICALS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

# Electrical Ratings

Model FP2011-U1	
<b>Input</b>	120VAC or 240VAC (+10% / -15%), 50/60Hz @ 2.0A Max.
<b>Output</b>	24VDC, nominal @ 6.5A Max.
	<b>Maximum Current:</b> 6.5A Filtered and regulated

Model FP2012-U1	
<b>Input</b>	120VAC or 240VAC (+10% / -15%), 50/60Hz @ 3.5A Max.
<b>Output</b>	24VDC, nominal @ 11.5A Max.
	<b>Maximum Current:</b> 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.