

## 24V POWER SUPPLY

## | ACPDxxSM2



Output is 60W max @ 24V

Wide input voltage range  
90 – 264VAC



## Description

The DIN mounted power supply is part of Wattstopper's Architectural Dimming family of products and provides a stable 24VDC output for a wide range of applications.

## Highlights

An adaptable power supply for powering many different 24VDC devices.

## Operation

With a large operating temperature range and a low profile DIN design, the ACPDxxSM2 can operate reliably in a broad variety of applications. The wide range AC and frequency input allows for stable output power that works with any electrical system.

## Applications

The ACPDxxSM2 can be used to power many different devices including the DMX/DALI, DIN Processors, Contact Input Stations, and any other products that require 24VDC power.

## Features

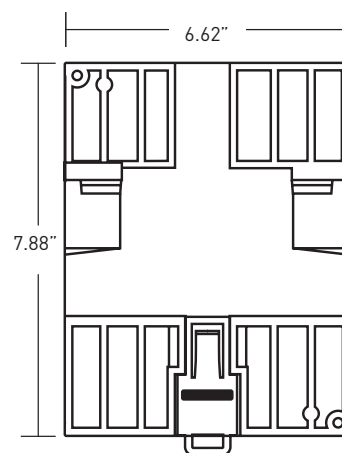
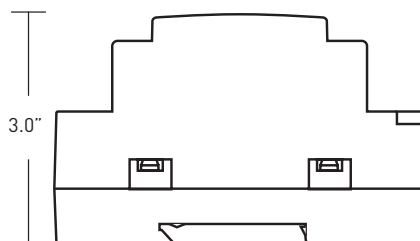
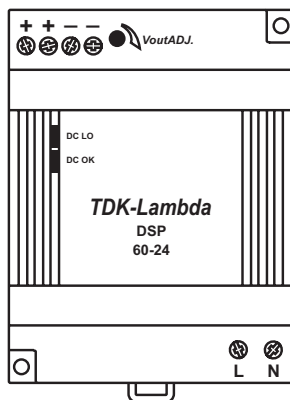
- Low profile for panel mounting
- Wide range AC input
- UL1310 Class 2
- Class II double insulation
- -25° - 71°C Operation
- Convection cooled
- DIN Rail or chassis mount

PROJECT		LOCATION/ TYPE	
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## Specifications

Model	ACPDxxSM2
Dimensions (HWD)	2.8" x 3.58" x 2.19" 71mm x 91mm x 55.6mm
Weight	.55 lbs (250g)
AC Input voltage range	90-264VAC, Class I double insulated (no ground connection required)
Input frequency	47-63Hz
Inrush current	30 /60A
Power factor and flicker	Meets EN61000-3-2, EN61000-3-3
Electrical compatibility	120-277VAC, 50/60Hz
Output voltage accuracy	±-1% of nominal
Line, load regulation	1%, 1%
Ripple and noise	50mV (20MHz BW)
Overcurrent protection (Typ)	110-160%, fold forward under short circuit (DSP100-24/C2 102-108%)
Over-voltage protection	120-145%
Hold up time (115VAC input)	See model selector (ms)
LED Indicators	Green LED = On, Red LED = DC output low
Operating temperature	-25 to 71°C (derate linearly 2.5% /°C from 61 to 71°C)
Temperature coefficient	±0.02% /°C
Storage temperature	-25 to +85°F
Operating humidity	20-95% RH (non-condensing)
Cooling	Convection
Withstand voltage	Input to output 3kVAC for 1 min.
Isolation Resistance	>100M at 25°C and 70%RH, output to ground 500VDC
Safety agency approvals	UL1310 Class 2, UL508 Listed, UL60950-1, EN60950-1, CE
Immunity	ENG1000-4-2, -3, -4, -5, -6, -8, and -11
Case material	Plastic

## Installation and Wiring



## Ordering Information

Catalog #	Description	Voltage
<input type="checkbox"/> ACPDxxSM2	24V DIN Rail Power Supply	Input 90-264VAC Output 60W @ 24V