

## Wall Mount Switch Mode Power Supplies

T1225-021 - 32G Series



### FEATURES

Wall mounted light weight and compact Switch Mode Power Supply Units with a wide 90V-264V AC input voltage range. Insulated active and neutral pins meet AS/NZS3112 for improved electrical safety. Electrical Safety Authority Approved. Popular models are shown in the table below. Other voltages and choice of output plug can be custom made upon request.

### OUTPUT

<b>Output Voltage</b>	+12V
<b>Rated Load Current</b>	2.5A
<b>Minimum Load Current</b>	0.05A
<b>Rated Output Power</b>	30.0W
<b>Over-voltage Protection***</b>	16.0V
<b>Over-current Protection</b>	Adaptor protected with 200% of rated load.
<b>Line Regulation</b>	<±5% at rated load with ±10% of input voltage change
<b>Load Regulation</b>	<±5% from 10% to 100% of rated load
<b>Short-circuit Protection</b>	The adaptor shall not be damaged by shorting the DC output to Ground with auto recovery functioning correctly.
<b>Ripple and Noise*</b>	100mV
<b>Hold-up Time (min)**</b>	10mS
<b>Output over-shoot</b>	<7% of nominal voltage value and full load
<b>Temperature coefficient</b>	Output voltage temperature coefficient ±0.05%/°C
<b>Turn-on Delay (max)</b>	2 Seconds at nominal input AC voltage and full load
<b>Rise Time</b>	Start-up rise time of <20mS to rise to within regulation limits
<b>Switching Efficiency</b>	75% minimum at normal input voltage.

To view Access' extensive ranges go to: [www.accesscomms.com.au](http://www.accesscomms.com.au)

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### INPUT

	MINIMUM	RATED	MAXIMUM
Input Voltage	90V AC	100 – 240V AC	264V AC
Input Frequency	-3 Hz	50 / 60 Hz	+3 Hz
Input Current - 230V AC			0.6A
Input Power			40.0W
Peak Inrush Current	Limited to 35A		
Primary current protection	An adequate internal fuse on the AC input line is provided.		
Configuration	Wall mount, AU-pin, 2-conductors, <Active, Neutral>		

### POWER CONSUMPTION AT NO LOAD

Input current	≤35mA
Power consumption (no load)	0.7W max

### ENVIRONMENTAL

	OPERATING	STORAGE
Temperature	0°C to +40°C	-20°C to +80°C
Relative Humidity	10 ~ 90 % RH. Non-condensing	10 ~ 90 % RH. Non-condensing
Cooling	Natural convection	

### MECHANICAL

Dimensions	93.0(L) x 47.0(W) x 34.2(D)mm.
Weight	190g maximum.
Input Plug Type	Wall type, SAA 2-pin AS/NZS3112:2000
Output Cord	18AWG/2C, 2000mm
Output Plug	dc plug type 5.5 x 2.1 x 11mm (FORK AND GROOVE)
Polarity	Center Positive

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### RELIABILITY

#### Mean Time Between Failure (MTBF)

The power supply is designed to have a MTBF of 50,000 hours.

### SAFETY

#### Dielectric withstanding voltage test (Hi-pot test) input to output

3000V AC 10mA for 1 minute.

#### Insulation Resistance

50M $\Omega$  at 500V DC between Input to Output

#### Leakage Current

0.25mA maximum at normal AC input voltage and frequency

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