

POWER SUPPLY

Product Code: W-PS300

Description: Readernet Tracking Power Supply Unit

This power supply was developed for easy integration of the L-Series and W-Series RX201 type readers. The small supply can drive up to 10 readers over a maximum readernet distance of 300 meters.

This power supply provides an easy plugin solution and auto adjusts for either 110V AC 60Hz or 230 / 250V AC 50 Hz input.

The power supply uses the same RJ45 connectors as that of the readers. It uses standard UTP cable.

The diagnostic capability of the power supply will enable the installer to have a means of determining when power regulation is inefficient.



Features

- Auto detects 110V AC 60Hz up to 250V AC 50Hz.
- Constant 15V DC output at 800mA.
- Optically isolated output.
- Diagnostic LED's.
- Has short circuit and overload protection.
- Has auto restart circuitry.
- Current sensing synchronisation capability to power down complete network.
- Small physical size.
- Powers up to ten readers up to 300 meters from source using standard UTP cable.
- Voltage Input sensor circuit has override feature.
- Easy to integrate into Wavetrend asset reader daisy chain networks.

Applications

The W-PS300 can be either wall mounted (holes provided) or placed onto an object (ceiling) and is made of a strong aluminium casing. No wall socket is provided as the product is shipped to many countries.

Specification

Environmental

Operating temperature	+ 10° C to + 70° C
Storage temperature	- 20° C to + 85° C
Humidity	20 ~ 85% Rh
Vibration	10 – 55Hz 1 min X, Y, and Z axis 30 minute each
Impact	20G (X, Y, and Z axis each)

General

Isolation Resistance Primary-Secondary-earth DC 500 V	More than 100 M
Primary-Case DC 500 V	More than 100 M
Secondary-Case DC 500 V	More than 100 M
Isolation Voltage Primary-Secondary Cut off current 10 mA	3000
Primary-Case Cut off current 10 mA	2000
Secondary-Case Cut off current 10 mA	500
Leakage Current Vin 115V 60Hz	Lower than 0.75mA

Physical

Size	110 mm x 80 mm x 30 mm
Weight (approximate)	140 grams (excluding wall socket)
Colour	Black anodised casing
Type of material	Aluminium

Input

AC input Voltage	100 V – 230 V
Inrush Current 100 V	10 A
Inrush Current 230 V	26 A
Input Current typical	0.22 – 0.15 A

Output

DC output Voltage	15 V
Ripple and noise	150 mV

Safety

10 W	UL 60950 3 rd Edition, CAN/CSA C22.2, No. 60950-00 3 rd Edition
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