

Power Brick

Universal Substation Grade Power Supply



Features

- Isolated and Short Circuit Protected
- All Metal Enclosure
- 12VA Power
- For Industrial and Utility Applications

Description

Power Brick is a rugged industrial grade power supply designed for harsh electrical environments. The unit offers up to 12VA power and is used to power accessories and communications converters off station 125V AC/DC. The product is isolated and short circuit protected. Mounted in a metal case, the unit rejects electromagnetic or radio frequency interference.

Common Application

- Utility Substations
- OEM Equipment
- Embedded Mobile Environments

Specifications

Input Range

12VAC/DC to 60VAC/DC (Option D)
90VAC/DC to 240VAC/DC (Option D2)

Output Range

9V/1.33A (Option 9VO)
12V/1A DC (Option 12VO)
24V/0.5A DC (Option 24VO)

Input Frequency Range	0-1000Hz
Output Load Regulation (10% - 100%)	+/- 1%
Line Regulation (over full range)	+/- 1%

Dimensions

Over All Width: 2.465"
Over All Height: 1.51"
Over All Length: 4.18"
Mounting Hole Pattern:
2.84" Center Line to Center Line

Ordering Information

Simply include the model number, input range and output range as per the specifications.

Example: PB1-D2-12VO

(Denotes a Power Brick with 125V AC/DC input and 12 volts output.)



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Zero-Power ANSI Optical Probes

Communication Interface for ANSI Socket Meters

A7Z/A9U

Features

- Requires No Power Supply
- High Speed – Up to 57,600 baud
- ANSI Type 2 Compatible
- Works Great with Nexus® Series Socket Revenue Meters
- Extra-flexible, 2 meter cable
- Bidirectional Interface
- Magnetic Adhesion
- DTR Switch
- Serial RS232 or USB Port

Description

The A7Z and A9U are new ANSI type 2, zero-power, optical communication probes. Their bidirectional interface utilizes infrared light. These new optical communication probes provide an ANSI rated optical communication interface for programming and reading electric utility meters using a serial RS232 or USB port. Connecting to a serial port permits isolated communication with meters.

Specifications

Cable Assembly – Optical probe cable assembly consists of a probe measuring 1.25” in diameter by 1.25” long, and an extra-flexible, 2-meter cable.

DTR Switch – A Data Terminal Ready (DTR) signal is used as a switch that enables the probe to read meters. The A7Z and A9U are high speed, allowing data rates of up to 57,600 bits/second.

Power Supply – The optical probe requires no power supply. All power is received from the host computer serial port using transmitter and receiver circuits within the probe.

Port Configuration – The A7Z can be used with personal computers that have a standard RS232 serial port (9-pin). The A9U can be used with personal computers that have a USB 1.1 or USB 2.0 port.

The A7Z and A9U have a high impact ABS housing, and their dimensions are compatible with ANSI C12.18-1996.

Dimensions

Weight: 1 Lb

Dimensions: 8” x 6.4” x 3.5”

Ordering information

Order Number:

- A7Z (with Serial RS232 Port)
- A9U (with Serial USB Port)



A7Z with serial RS232 Port

A9U with serial USB Port



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