

Part No.'s 82-4872 / 82-4877 / 82-4878

Power Over Ethernet Power Supply / Splitter

Features

- “Carrier Class” Power Over Ethernet System
- 48VDC Auto Ranging Power Supply/ Inserter
- Choice of 5VDC or 12VDC Regulated Splitter
- Advanced Auto-Sensing Algorithm
- Overload and Short Circuit Protection for both Inserter and Splitter
- Minimum Cross Talk and Insertion Loss
- Advanced Switching Technology – Runs cool
- Complies with IEEE 802.3af POE Standard Mode B
- FCC and CE Approved
- Installation Schematic on Label

82-4872 Power
Supply / Inserter



82-4877/82-4878 Regulated
Splitters



Applications

- Remote routers, access points and bridges
- Remote networking equipment
- SOHO Equipment
- IP Camera Systems
- 400MHz to 10GHz systems
- IP Phone systems

Description

The POE adapter components from Connectronics gives “carrier class” performance in a low cost system. With its advanced auto-sensing algorithm it will supply power only to POE recognized end devices. This gives an added measure of protection against damaging equipment. The overload and short circuit protection will shut down power immediately when a short circuit is detected without any damage to the POE system. Because of its 48V inserter and regulated splitter, the installer doesn’t need to worry about voltage drops due to cable length. Typically in 100MB networks the maximum allowable CAT5 cable run is about 100 meters. This is not a limitation of the POE equipment but rather a limitation of the Ethernet standards. The 82-4872 is not a proprietary unit. It will function with any equipment which meets the IEEE 802.3af POE standards. The POE system is available as a kit or as individual components depending on the customer’s needs. Power is supplied on ethernet pins 4/5 (V+) and 7/8 (GND).

Using power over Ethernet to power remote devices has several advantages including;

- The power supply can be centrally located where it can be attached to an uninterruptible power supply.
- The user has the ability to easily power on reset the attached equipment from a remote location.

Specifications – 82-4872 Power Supply/Injector

Input Voltage	90 – 264VAC @ 47 – 63Hz
Input Current	0.3A @ 120VAC 0.2A @ 230VAC
Inrush Current	<15A peak @ 120VAC <30A peak @ 230VAC
Efficiency	70% Min.
Output Voltage	48VDC @ 0.35A
Output Ripple	1% Max
Switching Frequency	200KHz Typ
Line Regulation	+/- 0.5%
Load Regulation	+/- 1%
Operating Temperature	-10 to +60 deg C
Storage Temperature	-20 to +85 deg C
Operating Humidity	5% to 90% non condensing
Size (L x W x H)	3.25" x 3" x 1.5" (83 x 76 x 38mm)
Weight	5.2oz (147gm)
AC Connector	IEC-320 C6 (Supercom SC-14)
Data IN Conn.	RJ45 Socket
Data/POE OUT Conn.	RJ45 Socket

Specifications – 82-4877/82-4878 Splitters

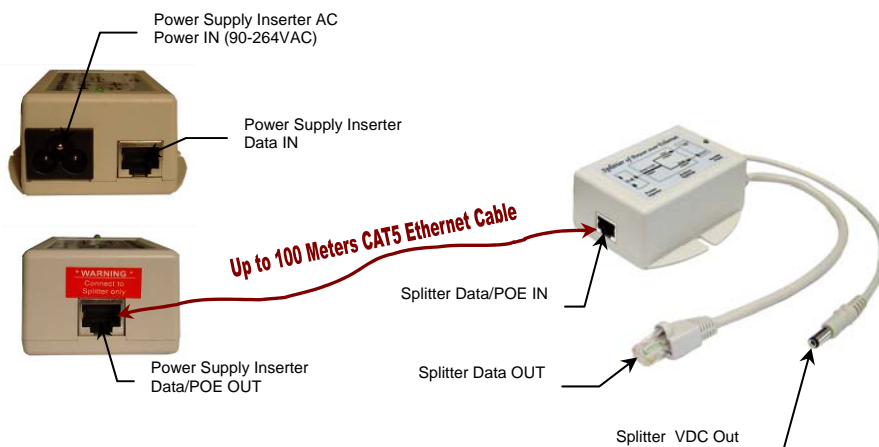
Input Voltage	13.5 to 60VDC
Output Voltage	82-4877 5VDC@2.4A 82-4878 12VDC @ 1A
Output Ripple	1% Max
Switching Frequency	200KHz Typ
Line Regulation	+/- 0.5%
Load Regulation	+/- 1%
Operating Temperature	-10 to +60 deg C
Storage Temperature	-20 to +85 deg C
Operating Humidity	5% to 90% non condensing
Size (L x W x H)	3.25" x 3" x 1.5" (83 x 76 x 38mm)
Weight	4.6oz (130gm)
Data/POE IN Conn.	RJ45 Socket
Data OUT Conn.	12" Cable with RJ45 Plug
VDC OUT Conn.	12" Cable with 5.5 x 2.1 x 12mm Adapter Plug

Compliance:

IEEE	802.3af POE Standard Mode B
EMI	EN55022 (CISPR22) class B Meets CE
EMS	EN61000-4-2,3,4,5,6,8,11

Notes:

- All shipments F.O.B. Cedar Rapids, IA
- All POE Products carry a 1 Year Warranty



To order call Connectronics @ 800-366-3780