

PW130

POE INJECTOR
UNIVERSAL 20 WATT



PW130 POWER OVER ETHERNET (POE) UNIVERSAL 20 WATT

- Self-contained Injector
- 100-250 VAC Universal Input
- Desktop Style
- Single Output up to 20W
- Not compliant with IEEE 802.3af standard
- Regulated Output With Low Ripple
- Meets Safety Agency Requirements
- Complies With EMI/RFI Regulations
- CE Compliant
- Impact Resistant Polycarbonate Enclosure
- Private Label Marking Available
- 1 Year Warranty
- Modified and Custom Designs Also Available

PW130

Ault Part No.	Voltage DC	Max Amps	Max Watts
PW130RA4800_01	48V	0.42	20.16

Ault Part No. Key

PW130	R	A	48	00	—	01
Product Family Name	Manufacturing Location (volume dependent)	Design Revision Changes	Voltage DC Model Type	Connector	Input Configuration/ Model Type (see pg. 2)	Standard (no modifications, or special packaging)



AULT INCORPORATED

7105 Northland Terrace | Minneapolis, Minnesota 55428 | USATEL (1) 763-592-1900

FAX (1) 763-592-1911 | E-MAIL info@aultinc.com | WEB www.aultinc.com

© Copyright 2004 Ault Inc.

PW130

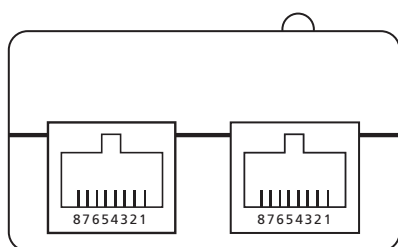
POE INJECTOR
UNIVERSAL 20 WATT

Input

Voltage	100-250 VAC -10%, +6%
Line Frequency	47 - 63 Hz Current 0.5A max. at 90 VAC input
Protection	Internal primary current fuse, Inrush limiting
Configuration	Inlet type : IEC320-C14; IEC320-C8

Output

Combined Line and Load Voltage Regulation	±1% excluding cord
Ripple	1% V p-p max for output current of >0.175A
Transient Response	0.5 msec. for 50% load change typical
Holdup Time	18 msec min. @120 VAC 60 msec min. @240 VAC
Protection	Foldback overcurrent protection Short Circuit Protection
Cord and Connector	Dual RJ45 jacks built into the enclosure



J1 (Power and Data Out)
J2 (Data In)
(Rear of Unit)

J1 pins

1	←	→	1
2	←	→	2
3	←	→	3
4	←	→	4 no connection
5	←	→	5 no connection
6	←	→	6
7	←	→	7 no connection
8	←	→	8 no connection

J2 pins

Note: ←→ indicates connections between J1 and J2

Safety Approvals

Agency Listings	cULus: UL/CSA60950; TUV: EN60950; CE: LVD, EMC
-----------------	--

Electrical

Topology	Switching - Fixed frequency flyback
Dielectric Withstand	3000 VAC, 4250 VDC primary- secondary 500 VDC secondary-ground
Spacing	6.4mm primary-secondary
Leakage Current	Less than 750 uA
Efficiency	Minimum 65%
EMI	Complies with EMC Directives
CE	CE Compliant
MTBF	100,000 Calculated Hours

Environmental

Operating Temperature	0° to 40°C with no derating
Storage Temperature	-30° to +85°C
Relative Humidity	5% to 95% non-condensing
Altitude	0-10,000 feet
Cooling	Convectional - non vented case

Mechanical

Case Dimensions	107.9L x 66.5W x 38.6H (mm)
Case Material	Black, 94V0 Polycarbonate
Weight	7 Ounces, 198 grams

Input Configuration



IEC320
w/ground
C14
(F)



Shaver
C8
(N)

Specify the Input Configuration Code in your order.



AULT INCORPORATED

7105 Northland Terrace | Minneapolis, Minnesota 55428 | USATEL (1) 763-592-1900

FAX (1) 763-592-1911 | E-MAIL info@aultinc.com | WEB www.aultinc.com

© Copyright 2004 Ault Inc.