

# POWER OVER ETHERNET INJECTOR – 24V WITH 48V DC INPUT

Model: TPE 124 – D



Telenet's Midspan POE is a Power-over-Ethernet (Poe) power supply which provides DC power for one Poe-equipped device by "Injecting" DC power through the Spare Pair of the CAT5 (10/100Mbps) Ethernet cable

### Electrical specification:

Input Voltage	40 -60 Vdc
Output Voltage	24V $\pm$ 5%
Output Current	0.5Amp

## Telenet Systems Pvt. Ltd.

2, Mani Bhuvan, Cama Road, Ghatkopar, Mumbai 400 086, Maharashtra, INDIA

T: +91.22.25138325 / 25158374 F: +91.22.25104911 E: [info@telenetsystems.com](mailto:info@telenetsystems.com) W: [www.telenetsystems.com](http://www.telenetsystems.com)

Ripple & Noise for entire input range at full load	240mV Peak – Peak
Line & Load Regulation	5%
Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +70°C
Efficiency	>60%

<b>Protections:</b>	
Input	Fuse, Reverse protection. Input under Voltage protection
Output	Output Over load & short circuit protection.

<b>Product Safety:</b>	
Dielectric voltage withstand test Between Shorted Input & Output Terminals	2.0K.V ac RMS for 1 Min
Insulation Resistance between Shorted Input & Output Terminals	5MΩ when tested with 500Vdc Mugger
EMI/EMC	Meets the requirements of EN55022 Standards

<b>Terminations:</b>	
Input Connector	Terminal Block

<b>Poe injector</b>	
Power over Ethernet	24V @ 24W on spare pair
Cat-5 cable data line	Pair1: pin 1/2 pair : pin 3/6
Cat-5 cable power line	- VDC: pin 4/5 , + VDC pin 7/8
Connectors	RJ 45 metallic, 2ports

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