

Features:

- Generates safe power over standard category 5 cabling
- Easy plug and play installation
- Saves time and reduces installation costs
- Investment protection of existing Ethernet switches and cabling infrastructure
- Surge voltage protection
- Safe powering of standard compliant, as well as legacy, end-terminals
- Cost effective power distribution for WLAN access point installations
- Features a standard auto-sensing algorithm and provides a safe power to remote terminals
- 1 Year Warranty



Output Characteristics		
Part Number	T4971ST	T4972ST
No. of Ports	1	1
Standard	IEEE 802.3af compliant	IEEE 802.3at compliant
Output Voltage	48V	56V
Output Current	0.35A	0.625A
Port Power Rating	16.8W Max	35W Max
Connectors	Shielded RJ-45	
Pin Assignment and Polarity	4/5 (+), 7/8 (-)	
Protections	Over Voltage Protection, Short Circuit Protection, Over Current	
Load Regulation	approx. 5%	
Line Regulation	approx. 1%	

Input Characteristics		
Input Voltage	90 to 264 Vac	
Input Current	0.4A @ 110 Vac / 0.2A @ 220 Vac	0.75A @ 120 Vac / 0.39A @ 230 Vac
Frequency	47 to 63 Hz	
IEC Mains Inlet	C6 type (clover)	C14 type (kettle)
Efficiency	approx. 80% min. at AC 120V Input @F.L	

Mechanical and Other Characteristics		
Dimensions	85 mm (L) x 76 mm (W) x 36 mm (H)	125 mm (L) x 75 mm (W) x 38 mm (H)
Weight	150 g	>200g (approx.)
Operating Temperature	-10 to 50°C	
Storage Temperature	-40 to 70°C	
Operating Humidity	Maximum 90%, Non-condensing	
Storage Humidity	Maximum 93%, Non-condensing	
LED Indicators	AC Powered (Red), Channel Powered (Green), Channel Alarm (Red)	
Connectors	2 Shielded RJ-45, EIA 568A and 568B	
Cooling	Free air cooling	
All materials meet RoHS standard		

Safety and Protection Characteristics	
Certificates	CE, FCC, UL, CB
Surge and lightning protection for Signal	
Operating Voltage	Data 5V max
Clamping Voltage	Data 7.5V
Peak Pulse Current	5.4A (IEC61000-4-5=8/20 μs)
Pin Protected	4 pin protected (1/2, 3/6)
Protection Mode	Common mode
Max. Shut Capacitance	< 0.8 pF
ESD tested by IEC 61000-4-2(Contact)	+ 8 KV

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Please Note: Image shown is representative of entire range. Individual PSU image &/or drawings or data sheets available on request.

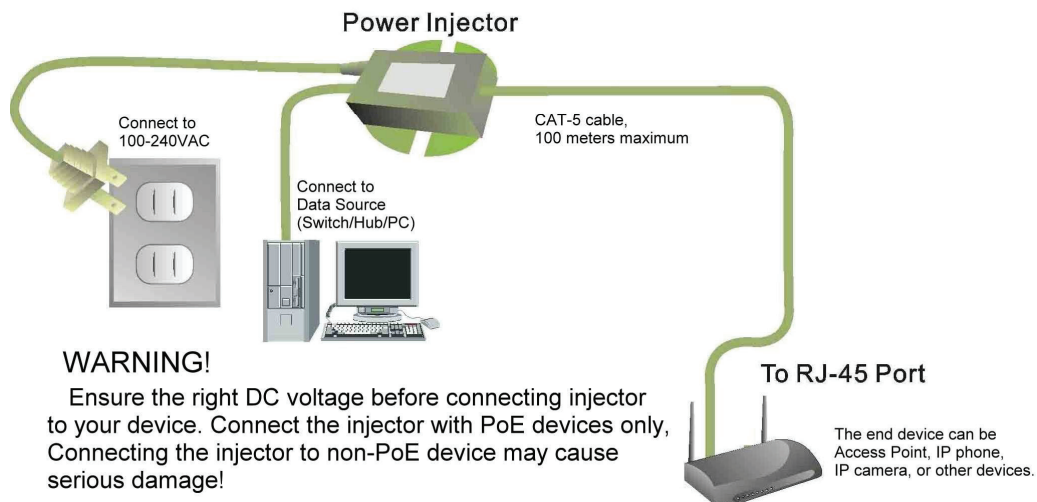
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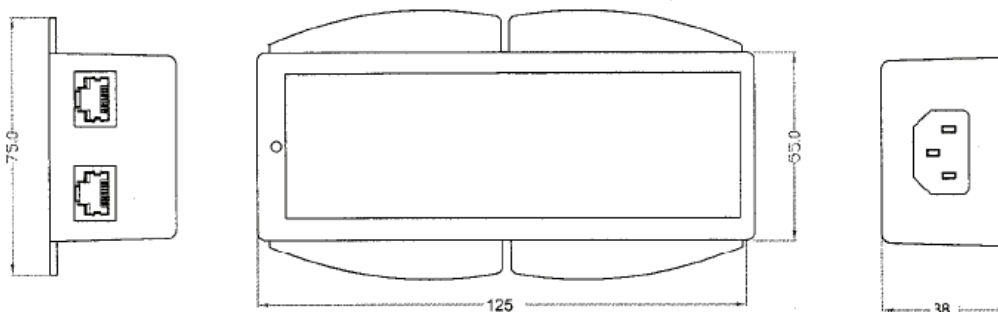
RJ45 Connected and pin out: @100MBAS

Pin	RJ -45 Input (Data Only)		RJ -45 Output (Data & Power)	
	Symbol	Description	Symbol	Description
1	Rx+	Data Receive	Rx+	Data Receive
2	Rx-	Data Receive	Rx-	Data Receive
3	Tx+	Data Transmit	TX+	Data Receive
4	NC	Not Connected	+Vdc	Feeding power (+)
5	NC	Not Connected	+Vdc	Feeding power (+)
6	Tx-	Data Transmit	TX-	Data Transmit
7	NC	Not Connected	-Vdc	Feeding power (-)
8	NC	Not Connected	-Vdc	Feeding power (-)

Application of POE (Power over Ethernet)



T4972ST Drawing:



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