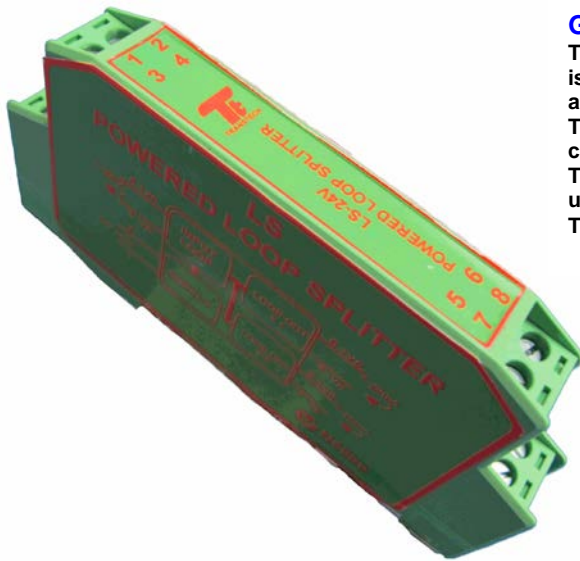


MODEL:- LS-24V 24V Powered Loop Splitter.



GENERAL DESCRIPTION

The LS-24V is a fully floating 0-20mA signal isolator that provides up to 1500V galvanic isolation between all ports with true four port isolation. The LS-24V may be used either as a powered repeater or as a loop splitter; as both outputs are completely independent. The LS-24V can be used as a noise filter or reducer of common mode noise in some current loops.

The LS-24V output currents are totally independent of load or line resistance variations, up to the 1200ohm limit.

The LS-24V is factory calibrated and there are no user accessible adjustments required.

TECHNICAL DATA

Supply Voltage	24V ac/dc nominal (18V to 72V ac or dc)
Supply Power	650mW plus loop power
Input	0(4) to 20mA
Output 1	0(4) to 20mA
Output 2	0(4) to 20mA
Loop Resistance	1200 ohms maximum per loop
ESD Protection	Nominally 15kV (all ports) (IEC 61000-4-2)
Four Port Isolation	1500V (galvanic, all ports)
Power Indicator	Blue LED

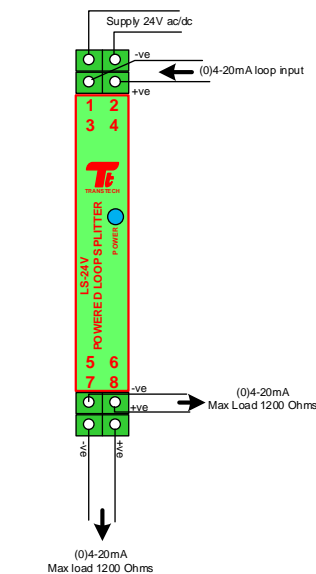
GENERAL SPECIFICATION

Supply Voltage	18 to 72V ac or dc (not polarity sensitive)
Loop Resistance	1200 ohms each loop max.
Long term drift	<0.1% of span per 10,000hrs
Isolation Level	1500V (galvanic, all ports)
Creepage distance	≥2.0mm. (Port to Port)

Output Noise Level	3.2µA rms (typical).
Accuracy	0.1% of span
Linearity	0.1% of span
Repeatability	0.1% over 10,000hrs
CMR (50/60Hz)	Typically 110dB
Response time	Nominally 100mS (10 to 90%)
Operating Temp	-25 to 75 Deg. C
Storage Temp	-55 to 85 Deg. C
Terminals	Self Opening 2.5mm ²
Housing Material	KRILEN
Dimensions	51.3mm x 12.5mm x 99mm (see profile)
Weight	41 grams

FEATURES

- ◆ Power LED
- ◆ Wide operating supply range 18-72V
- ◆ True four (4) port isolation
- ◆ Port to port creepage distance ≥ 2mm
- ◆ No user adjustment required.
- ◆ Optical Isolation
- ◆ In excess of 1200 ohms per loop resistance
- ◆ DIN rail mounting
- ◆ Very Small footprint 51.3mm x 12.5mm x 99mm H x W x L



SCHEMATIC DIAGRAM

