

# LOOP POWERED TRANSMITTER

LPT 63

## APPLICATIONS

Field Interface device

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Impedance matching of  
Transmitters and Receiver

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Isolation of field signals

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Distribution of signals

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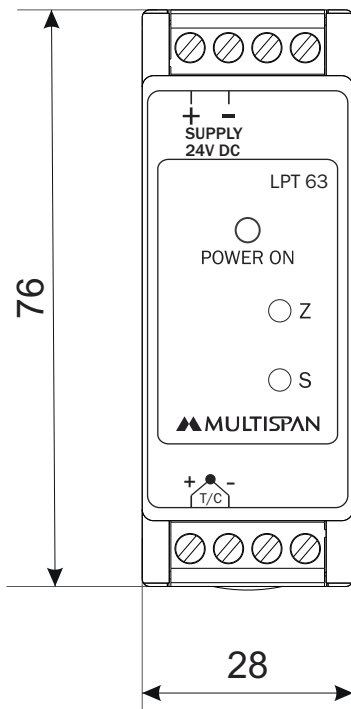
Factory automation

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Powering of field Transmitters

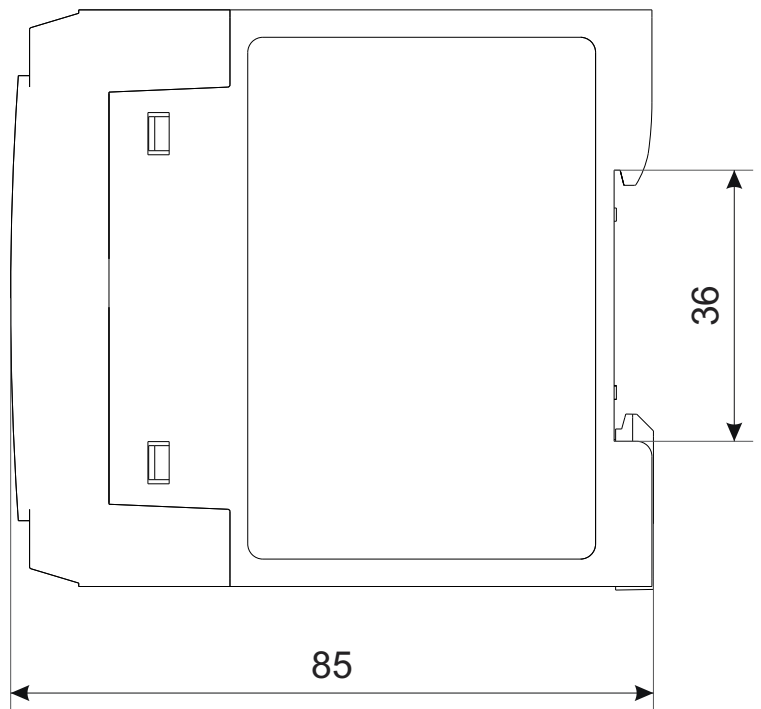
# Mechanical Dimensions

## Body Dimensions



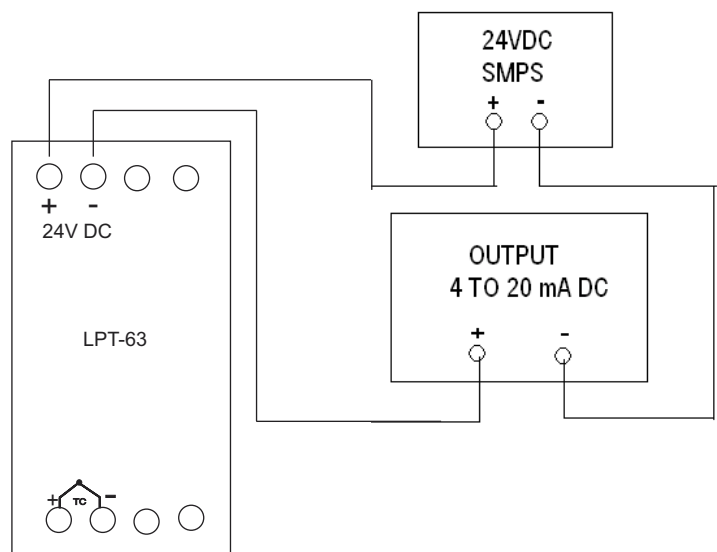
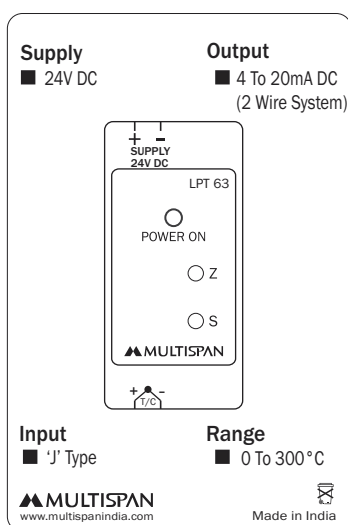
**FRONT VIEW**

All dimensions are in mm



**RIGHT SIDE VIEW**

## Connection Diagram



# TECHNICAL DATA

Input	Thermocouple : J/K (Any one Factory Set)
Output	4 To 20mA DC
Power Supply	24V DC
Accuracy	$\pm 1\%$ FSD

## Features

- 1.5KV isolation between supply, input & output
- Linearized O/P
- Zero & span correction facility through trim port
- Fast Response time <150ms
- Din Rail Mounting

## Output

Output	Current :4 To 20mA DC
Response Type	<150 ms $\Omega$
Output Impedance	> 500 $\Omega$

## Input

Input	Thermocouple (J/K) Any one factory set
Input Impedance	>100K $\Omega$
CMRR	>120 db ( Typical )
Temperature Co-efficient	<100 PPM

## Environmental

Ambient Temperature	0 to 55 °C
Relative Humidity	95% RH Non-Condensing
Protection	Conformal Coating on PCB

## Power Supply

Auxiliary Voltage	24V DC
Power Consumption	less than 2VA
Isolation type	Optical - 3 way

## Isolation

Isolation between supply and Input	At least 1.5KV AC for 1 min.
Isolation between supply and Output	At least 1.5KV AC for 1 min.
Isolation between Input and Output	At least 1.5KV AC for 1 min.

## Mechanical Characteristics

Mounting Type	DIN Rail Mount
Dimension (HxWxD) mm	76 x 28 x 85
Material	Body Polycarbonate (PC)
Terminal Screw Size	M3
Screw Torque (N.m)	0.5
Wire Gauge (AWG)	28 - 12
Weight (Approx) gms	Unpacked : 110 Packed : 140