

CURRENT TRANSDUCER

CTR-632

APPLICATIONS

Field Interface device

Impedance matching of
Transmitters and Receiver

Isolation of field signals

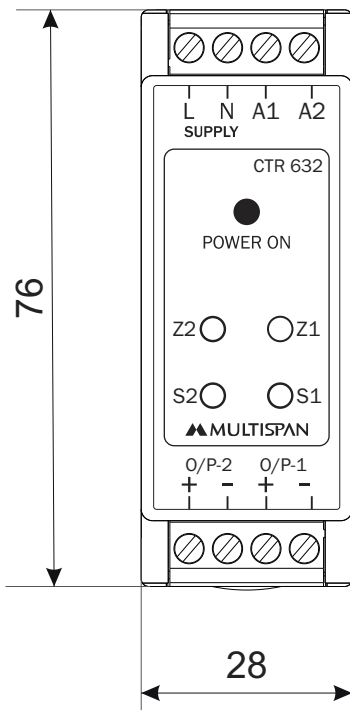
Distribution of signals

Factory automation

Powering of field Transmitters

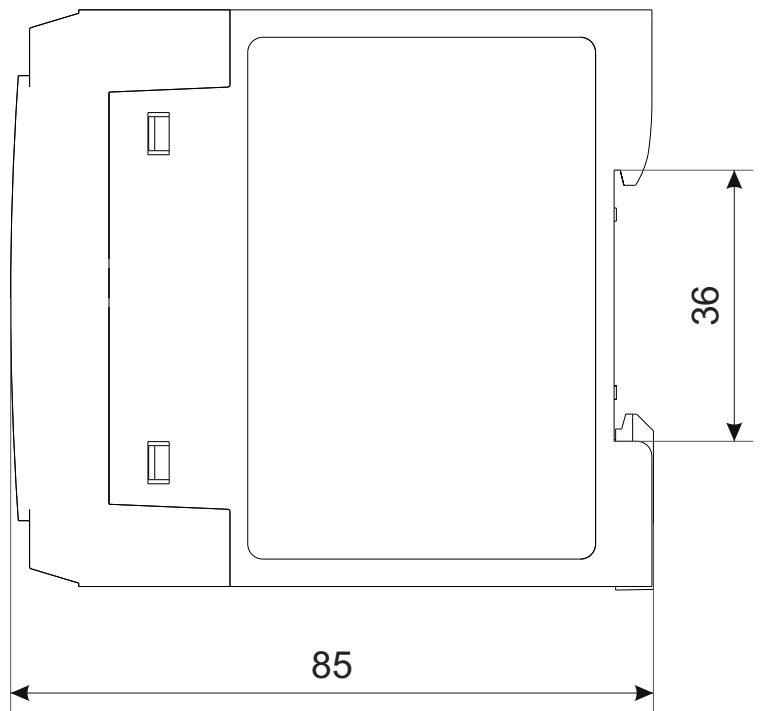
Mechanical Dimensions

Body Dimensions



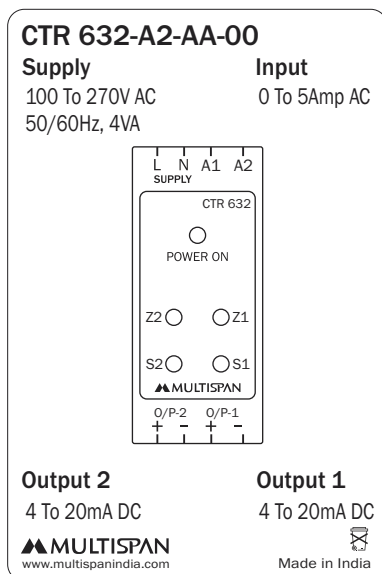
FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

Connection Diagram



TECHNICAL DATA

Input	0 TO 1A AC/ 0 TO 5A AC (Factory set any one)
Output	4 To 20mA DC / 0 To 10V DC / 0 To 20mA DC (Factory Set any one)
Power Supply	100 to 270V AC/DC ,50/60Hz 24V DC (Factory set any one)
Accuracy	0.2 % FSD

Features

- 2KV isolation between supply, input & output
- Linearized O/P
- Zero & span correction facility through trim port
- Din Rail Mounting

Output

Output	4 To 20mA DC /0 To 10V DC 0 To 20mA DC (Factory set any one)
Output Impedance	> 500Ω on each O/P

Input

Input	0 To 1A AC / 0 To 5A AC (Factory set any one)
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	100 - 270V AC 24V DC (Factory set any one)
Power Consumption	less than 4VA
Isolation type	Optical - 3 way

Isolation

Isolation between supply and Input	At least 2KV AC for 1 min.
Isolation between supply and Output	At least 2KV AC for 1 min.
Isolation between Input and Output	At least 2KV 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 : 120