

SIGNAL ISOLATOR

MI-631

APPLICATIONS

Field Interface device

Impedance matching of
Transmitters and Receiver

Isolation of field signals

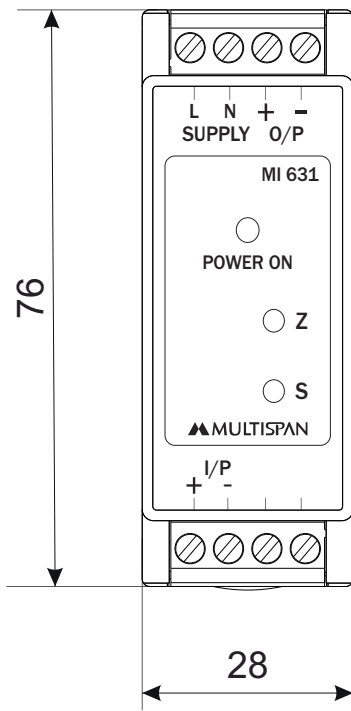
Distribution of signals

Factory automation

Powering of field Transmitters

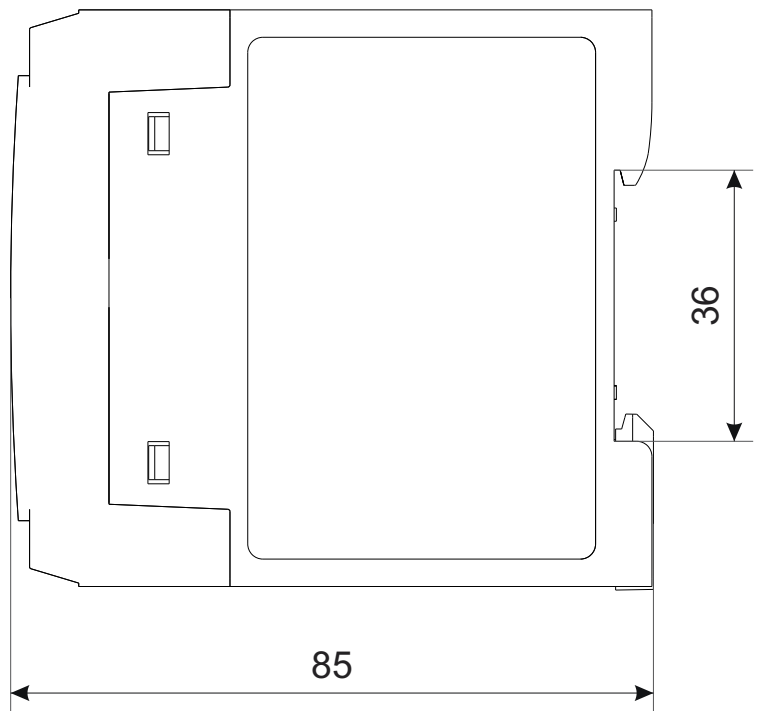
Mechanical Dimensions

Body Dimensions



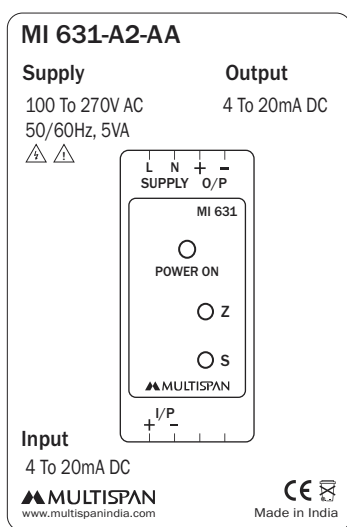
FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

Connection Diagram



TECHNICAL DATA

Input	4 To 20mA DC / 0 To 10V DC (Factory set any one)
Output	4 To 20mA DC / 0 To 10V DC
Power Supply	100 to 270V AC,50/60Hz or 24V DC (Factory set any one)
Accuracy	± 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

Input

Input	Current :4 To 20mA DC / Voltage : 0 To 10V DC (Factory set any one)
Input Impedance	>100KΩ
CMRR	>120 db (Typical)
Temperature Co-efficient	<100 PPM

Power Supply

Auxiliary Voltage	100 - 270V AC
Power Consumption	less than 5VA
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.

Output

Output	Current :4 To 20mA DC Voltage : 0 To 10V DC
Response Type	<150 msΩ
Accuracy	± 0.2% of FSD

Output Impedance

Voltage Output	400 Ω
Current Output	500 Ω

Environmental

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

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 Guage (AWG)	28 - 12
Weight (Approx) gms	Unpacked : 110 Packed : 140