

ZT705 SIGNAL ISOLATOR

Introduction

Ztech's ZT705 series DIN rail signal conditioners are designed to accept a broad range of input signals, such as AC and DC voltage and current, frequency, temperature (thermocouple and RTD), and process transducers, and provide standard process outputs of either 0/4 to 20 mA, or 0 to 10 VDC. It features a modern housing design that is easily mounted on standard DIN rails. Connections are safely and securely made, with input and output connections on the opposite side of the module, compatible with Standard 25mm and 55 mm DIN Rail. It comes with minimum one & maximum four output signals.

Features

Input	: 4-20mA, 0-10VDC, RTD, Thermocouple, Thermocouple, mV, AC/DC Voltage
Output	: 4-20/20-4mA, 0 – 10Vdc (Maximum 4 output)
Tr. Power	: 24V/30mADC
Isolation	: Input to output, Power & output to output.
Type of Isolation	: Opto & Galvanic (Approx 1500VDC)
Trimming	: By Zero & span potentiometer
Accuracy	: +/-0.15% of span(Linear) , +/-0.25% of span(Non Linear)
Power	: 90-260VAC, 24VDC
Mounting	: Din rail, Wall
Communications	: RS 485 (Optional)
Enclosure	: ABS Plastic Enclosure
Dimension	: 55(W)*75(H)*110(D) , 25(W)*75(H)*110(D)

Special Features:

- Universal input
- Compact DIN rail mounting
- High output Load Driving Capability
- Front calibration facility via Multi turn trim pot
- Power on LED
- Healthy Alarm LED
- Fail Safe Mode
- Transmitter Power 24V/30mA
- Linear/Square Root Selectable
- 20*4mA, 4-20mA reversible
- Wide span adjustment limits

Types of Isolation :

- Universal input to Signal Isolator
- mV/V/mA to 4-20mA/0-10V Signal Isolator
- Ohms to 4-20mA/0-10V Signal Isolator
- AC/DC (V) to 4-20mA/0-10V Signal Isolator
- AC/DC (A) to 4-20mA/0-10V Signal Isolator

ZT705-XXXXXXXXXX (10 Digit Code)

Option 1:Input Signal

- 0 - 4-20mA
- 1 - 0-10VDC
- 2 - RTD
- 3 - Thermocouple
- 4 - Fix Thermocouple
- 5 - mV
- 6 - V
- 7 - User Define

Option 2:Power

- 0 - 90 to 260 VAC
- 1 - 24 VDC
- 2 - User Define

Option 3:Type of Output

- 0 - 4-20mA
- 1 - 0-10VDC

Option 4:Analog Output

- 0 - 1 Output
- 1 - 2 Output
- 2 - 3 Output
- 3 - 4 Output

Option 5:Communication Output

- 0 - None
- 1 - RS485 Modbus RTU

Option 6:Dimension

- 0 - 55(W)*75(H)*110(D)
- 1 - 25(W)*75(H)*110(D)
- 2 - Special Enclosure

Option 7:

- 0 - None

Option 8:

- 0 - None

Option 9:

- 0 - None

Option 10:

- 0 - None



Single Channel Indicator / Controller
ZT501

Features:

Input	: Universal input 4-20mA, 0-10VDC RTD, Thermocouple, V, mv
Analog Output	: Max.4 no's Isolated 4-20mA Retransmission (600Ω Load Capacity), Max.3 no's Isolated 0-10V
Type of Isolation	: Opto & Galvanic (Approx. 1500VDC)
Isolation	: Between input, output, Power & Output to output.
Trimming	: By Zero & Span Potentiometer
Communication Output	: RS485, (Optional)
Accuracy	: +/-0.15% of Span for Linear input +/-0.50% of Span for Non Linear input
Power	: 90 to 260 VAC, 24VDC
Enclosure	: ABS Plastic Enclosure
Dimension	: 55(W)*75(H)*110(D), 25(W)*75(H)*110(D)
Mounting	: Din Rail

Extra Features:

Universal input
Compact Design
Power on LED
Health Alarm LED
Fail Safe Mode
Transmitter Power 24V/30mA
Linear/Square Root Selectable
20-4mA, 4-20mA reversible

Applications

Isolation of field signals
Multi Distribution of signals
Factory automation
SCADA/DCS

Single Channel Indicator / Controller
ZT501

Ordering Code