

ZT701 UNIVERSAL TEMPERATURE TRANSMITTER

Introduction

Ztech's ZT701 Universal Temperature Transmitter converts RTD, Thermocouple, mV, Ohms input to 4-20mA. Featuring state-of-the-art integrated circuits and electronic design, these ultra-compact transmitters have a diameter of only 45mm and are designed to fit inside many compact thermo well protection heads. Transmitters can eliminate long runs of costly field wiring in a variety of applications. A stable 4 to 20 mA output signal is produced proportional to the transmitter's specific input type and calibrated temperature range. Adjustability of zero and span is provided to facilitate some range ability. The transmitted signal eliminates noise pickup, voltage drops, and multiple cold junction errors, and it requires only a twisted pair of copper wires for loop connections.

Features

- Input : RTD, Thermocouple, mV, Ohms
- Output : 4-20mA at 500 ohms Loading Capacity
- Accuracy : +/-0.2% of FS
- Power : 24VDC
- Temperature : -10 to 55 degc.
- Humidity : <95% RH non condensate
- Weight : 100 gms. (As per the model)
- Enclosure : ABS plastic molded
- Dimension : Din Rail 25(W)*75(H)*110(D)mm
Head Mount 43mm(D)*30mm(H)
- Mounting : Head, Din rail, Pipe mount, Wall

Special Function (Optional)

- Universal Input: Thermocouple / RTD Selectable
- Miniature Size
- Fits in Sensor Protection Head
- All Parameter setting/calibration through communicator
- Upscale/Down scale field selectable
- Communicator for Changing Input Type,Range,Etc.

Application

Temperature Monitoring and Controlling

Ordering Code

ZT701-XXXXXXXXXX (10 Digit Code)

Option 1:Input Signal
 0 - Universal
 1 - RTD Pt.100
 2 - J
 3 - K
 4 - R
 5 - S
 6 - T
 7 - Resistance
 8 - Special

Option 2:Display
 0 - Blind
 1 - LED Display 4 digit

Option 3:Enclosure
 0 - None
 1 - Din Rail
 2 - WP proof wall mounted
 3 - Flame proof 2" field mounted
 4- Head Mounted

Option 4:Power
 0 - 24VDC

Option 5:(X)
 0 - None

Option 6:(X)
 0 - None

Option 7:(X)
 0 - None

Option 8:(X)
 0 - None

Option 9:(X)
 0 - None

Option 10:(X)
 0 - None

