

ZT506-RH/TEMPERATURE DISPLAY

Introduction

Ztech's digital Rh/Temperature indicator model ZT506 is designed to indicate process parameters Relative humidity & temperature at a time as per the process requirement for room applications. It can display the process value with the resolution of maximum 4 digits. The range is 0 to 100.0% for RH & temperature is for full scale as per RTD chart with decimal resolution. It can generate max two relay output (on/off on each channel) for various application with hi/lo selection. The hysteresis is programmable throughout the range. It can generate analog output as retransmission & give computer connectivity port on Modbus protocol or GSM connectivity as an optional feature. They are very reliable, accurate employing the latest technology. They undergo stringent tests to assure quality performance.

Features

Input	: RTD for Temperature RH sensor Honeywell make (optionally you can give any other sensor also, if predefined)
Display	: 0.56"(12mm) Super Bright Red LED Display (4 Digit)
Display Range	: 0-400 Degree,0-100%rH
Accuracy	: 0.25% of Span(Temperature),3%rH

Configuration Functions/Parameters

Configuration Data	: 4 Tactile Membrane Keys for Data Configuration
Indication	: Alarm /Communication Indication
Message	: Error Message

Output

Retransmission	: 2*4-20mA (Opto & Galvanic Isolated) (600 Ohms Loading Capacity)
Control Alarm Relay	: Max 2 Relay / Channel (5A/230VAC)
Communications	: RS 485
Compatible with GPRS /GPS	: Yes

Special Function (Optional)

Field Calibration not require for change to other input
Alarm output Hi/Lo, fail safe, with programmable hysteresis.
All calibration/configuration can be done from front keys
PC/GSM connectivity with SCADA software.
Input sensor fail output upscale/downscale user define from front keys.
Input Signal Filter Option
Alarm Acknowledgment Function
Damping Count (Optional)
Time Delay for Alarm Activation(Optional)
Alarm Reset/Acknowledgement(Optional)

Specification :Environmental

Ambient Temperature Range	: 0 To 55 °C (For Integral Flow Meter)
Ambient Humidity Range	: 5 To 95 % Rh (Non-Condensing)

Security

: Password Protection for Configuration of Data

Power Supply

: 90 - 260 VAC 50/60Hz,24VDC,12VDC

Weight, Enclosure, Protection, Dimension ,Mounting: As per Order Code Option 8

Application

Pharmaceutical Application
Power Industries
Cement Industries
Temperature & process indication
Plastics moldings& temperature monitoring
Heat treatment - furnace temperature monitoring

Ordering Code

ZT506-XX X X X X X X X X (10 Digit Code)

Option 1:Input Signal Channel-1

0 - Temperature

Option 2:Input Signal Channel-2

0- rH

Option 3:Power(X)

0 – 90 to 260 VAC

1 – 24 VDC

2 – User Define

Option 4:Digital Output

0 - No relay

1 - One relay

2 - Two relay

3 - Three relay

4 - Four relay

Option 5:Analog Output

0 - None

1 - 4 – 20mAdc isolated (Single O/P)

2 - 4 – 20mAdc isolated (Dual O/P)

3 - 0-10Vdc isolated (Single O/P)

4 - 0-10Vdc isolated (Dual O/P)

Option 6:Communication Output

0 - None

1 – RS485 Modbus RTU

2 – GPRS/GSM Connectivity

Option 7:Display Size

0 – 0.56" Seven Segment Digit(Normal Display)

1 – 0.8" Seven Segment Digit

2 – 1.8" Seven Segment Display

3 – 2.3" Seven Segment Display

4 – 4.0" Seven Segment Display

5 – 6.0" Seven Segment Display

6 – 8.0" Seven Segment Display

7 – 4.0" Outdoor LED Display

8 – 6.0" Outdoor LED Display

9 – User Define Indoor/Outdoor LED/Seven segment Display

Option 8:Dimension

0 – 120(W) * 200(H) * 90(D)mm with 65mm Sensor Part Wall Mounted

1 – 96(W) * 96(H) * 95(D)mm Panel Mounted

2 – Weather proof Sheet metal box

3 – Flame proof class IIA IIB without Push Button 2" Pipe Mounted(054 Drawing)

4 – Flame proof class IIA IIB with Push Button Wall Mounted(061 Drawing)

5 – Flame proof class IIA IIB without Push Button 2" Pipe Mounted

6 – Flame proof class IIA IIB Wall Mounted

7 – Special Enclosure

Option 9:(X)

0 – None

Option 10:(X)

0 – None

Ztech Control Systems,
19/4, Dev Industrial Estate,
B/H. Jyoti Switch Gear, Nr. Gorwa Water Tank,
Gorwa, Baroda 390016 (Gujarat) INDIA
Tel : 98240 28511, 93287 02212
Email : info@ztechinstruments.net,
ztech.instruments@yahoo.co.in
Web : www.ztechinstruments.net