

ZT504 UNIVERSAL SCANNER AND DATA LOGGER(24 CHANNEL)

Introduction

Ztech's Digital Universal input Scanner model ZT504 is designed to indicate process parameters like temperature, level, flow, pressure etc as per the process requirement for various applications. It can display the process value with Channel No. in Scrolling Mode with the resolution of 4 digits. The range is selectable from -1999 to 9999 scale with selectable decimal resolution.

It can generate max Six relay output (on/off) for input Channel for various application with hi/lo selection.

The hysteresis is programmable through out the range. Grouping of relay selection is also possible. It can generate analog output as retransmission of min / max value & gives as a output signal. It has facility for channel auto scroll with adjustable time & manual scroll also. It has 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 : Universal inputs (8/12/16 Channel)
 Linear Input :(0-10VDC, 0-1VDC,0-100mV),Current(0-20mA,4-20mA)
 Non Linear Input: Thermocouple types, E, J, K, L, N, R, S, and T
 Non Linear input: Resistance thermometer: Pt100, CU53, And P46
- Display : 0.39"(10mm) Super Bright Red LED Display (4 Digit)
 Process Value, Channel No.
 Soft Alarm Indication
 Relay / Communication / Auto / Manual Indication
- Display Range : Linear Input:-1999 to 9999
 For RTD: -50.0 to 600.0
 For Thermocouple
 J (-175 to 730 Degree),K (-250 to 1300 Degree)
 R (0 to 1800 Degree),S (0 to 1800 Degree)
 T (-200 to 400 Degree),N (-200 to 1300 Degree)
 B (0 to 1800 Degree),E (-200 to 1000 Degree)
- High Accuracy : 0.25% of Span (Linear),0.5% of Span(Non Linear)



Configuration Functions/Parameters

- Configuration Data : 4 Tactile Membrane Keys for Data Configuration
- Indication : Alarm / Hi-Lo Soft Alarm Indication
 Auto/Manual Communication Indication
- Message : Error Message
- Scan Time :0-99 Second

Output

- Retransmission : 2*4-20mA (Opto & Galvanic Isolated)
 (600 Ohms Loading Capacity)
- Control Alarm Relay : Max 6 Relay (5A/230VAC)
- Communications : RS 485/RS232
- Compatible with GPRS /GPS : Yes



Special Function (Optional)

- Universal input
- Alarm output Hi/Lo, fail safe, with programmable hysteresis.
- All calibration/configuration can be done from front keys
- No Calibration require for different types of input in case of Universal Input
- PC/GSM connectivity with SCADA software.

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Special Function (Optional)

Data Logging (3000 Reading Per Channel)
Data Printing Facility
USB Logging Facility
Grouping of Alarm per channel possible
Channel Skip Facility
SCADA for Data logging on PC

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

Specification : Physical

Weight : 500-900 gm
Enclosure : Metal Box, ABS plastic molded, Weather / Flame Proof
Protection :
Dimension : 192(H)*96(W)*150(D),96(H)*96(W)*110(D),144(H)*72(W)*110(D)
Mounting : Panel

Application

Machine/Motor Temperature Monitoring
Generator Monitoring
Monitoring Of DG Temperature, Air Compressor,
Monitoring Of Pump, Transformers, Fans and Blowers
Motor Protection: Winding & Bearing Temperature
Electrical Sub-Station Monitoring
Power Monitoring
Metal and Mining Applications



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Ordering Code

ZT504-XXXXXXXXXX (10 Digit Code)

Option 1:No. of Channel

- 0 – 4 Channel
- 1 – 8 Channel
- 2 – 12 Channel
- 3 – 16 Channel
- 4 – 24 Channel

Option 2:Input Signal

- 0 – Universal (J K R S T, 0 – 20mAdc, mV, V, Pt.100, Cu53)
- 1 – Fix RTD
- 2 – Fix 4-20mA
- 3 – Fix 0-10VDC
- 4 – Fix Thermocouple
- 5 – Fix mV input
- 6 – Fix Voltage input
- 7 – User Define

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 – Four relay
- 4 – Six relay

Option 5:Analog Output

- 0 – None
- 1 – 4 – 20mAdc isolated (Single O/P)
- 2 – 4 – 20mAdc isolated (Dual O/P)

Option 6:Communication Output

- 0 – None
- 1 – RS485 Modbus RTU
- 2 – Rs232 Modbus
- 3 – Internal Data Logging
- 4 – Data Printing
- 5 – USB Output

Option 7:Dimension

- 0 – 96(W) * 96(H) * 110(D)mm
- 1 – 192(W) * 96(H) * 150(D)mm
- 2 – 144(W) * 72(H) * 110(D)mm
- 3 – Weather proof Sheet metal box
- 4 – Flame proof class IIA IIB with Push Button Wall Mounted
- 5 – Special Enclosure

Option 8:(X)

- 0 – None

Option 9:(X)

- 0 – None

Option 10:(X)

- 0 – None

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