ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

VZ-72

VZ-Series Dual Channel Temperature Scanner





RoHS Compliant

MAKE IN INDIA

Overview

The ASHE VZ-72 is a microcontroller based Dual Channel temperature Scanner with ON/OFF control output feature, offered in a highly compact, rugged and reliable execution. The instrument has three keys on the front panel, with which the operator can set the parameters and configure the instrument as desired. A four-digit red LED digital display is provided on the front panel which indicates the process temperature value in real time.

The instrument has non-volatile memory. The instrument accepts two temperature sensors RTD Pt-100 settable from front keypad and displays the temperature while providing ON/OFF control outputs, the set points of which are settable through the Membrane Keypad on the front panel.

The microcontroller based Temperature Indicating Controller Model: VZ-72 is therefore an ideal instrument for temperature measurement and control applications because of it's versatility and inherent accuracy in process measurement and control. Besides, it has superior characteristics such as total immunity to shocks, dust, ambient temperatures, and humidity. It is available in field-mounting weather-proof / explosion-proof executions and standard panel mounting enclosures. It operates on 230 VAC/110 VAC, 50 Hz mains power supply (Optionally 24 VDC).

Further, the instrument is manufactured using selected high-grade components which guarantee it's functionality and long operational life. The instrument carries a performance guarantee against manufacturing defects and workmanship defects.

This product is backed by a full two-year warranty, covering all manufacturing defects and workmanship issues under normal operating conditions.

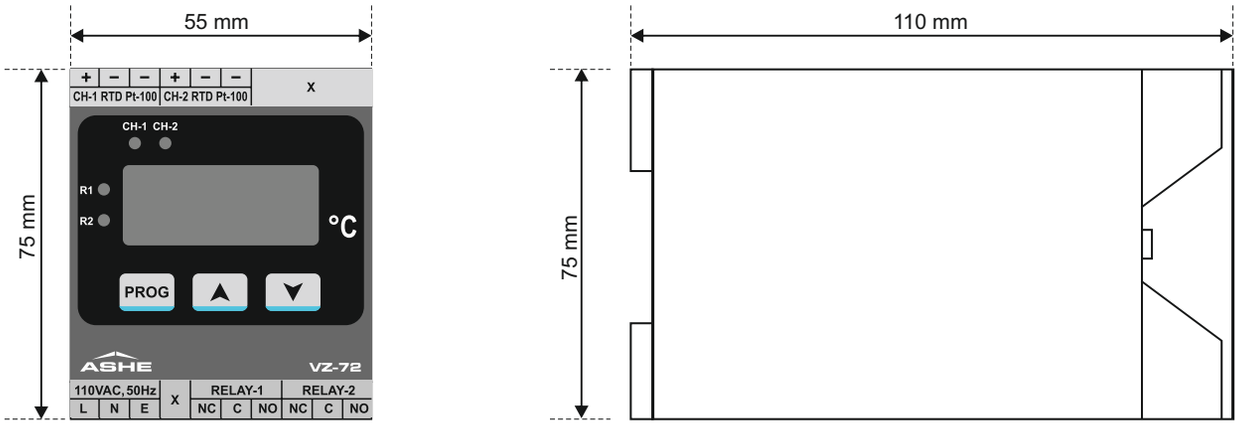
Specifications

Model	ASHE VZ-72.
Type	Microcontroller Dual Channel Temperature Scanner with Control outputs.
Input Signals	Two temperature sensors RTD Pt-100 (3-wire).
Display	Seven-segment, Red LED display.
Indications	Four-digit display for Temperature.
Scale Range	Fully configurable.
Decimal Point	Preset depending on Sensor.
Response Time	Typically 200 mS.
Control Relay Outputs	Two Relay change-over contacts.
Contact Rating	10 Ampere @ 230 VAC (Resistive. Loads).
Control Logic	Heating / Cooling
Memory	Non-Volatile (on EEPROM).
Settings	By Membrane Switchpad on front panel.
Features	Configurable for Type of Sensor, Temperature Scale, Control Logic, Set points, Hysterisis etc.
Accuracy	$\pm$0.1% FS.
Power Supply	230 VAC/110 VAC, 50 Hz (Optionally 24 VDC)
Dimensions	75 x 55 x 110 mm [H x W x D]
Execution	Din rail mounting.
Enclosure	Industrial Grade ABS.
Weight	Approximately 0.5 kgs.
Operating Temperature	0 to 55^0 C

Features

- Micro-controller based design
- Several Temperature Sensors / Analog inputs (optional)
- High accuracy and linearity to input sensor signals
- 4 digit seven segment LED display
- Two relay change-over contacts (one for each input)
- Very low power consumption and heat dissipation
- Fully configurable
- 230 VAC/110 VAC 50 Hz Power Supply (Optionally 24 VDC)
- On-Off control action options
- Rugged, industrial grade ABS enclosure
- High Noise immunity.
- Panel / Field / Hazardous-area installation in Ip66 execution
- Two-year Performance Warranty
- Proven track record of successful site installations

Dimensional Diagram



FRONT VIEW **SIDE VIEW**

How To Order

	DUAL CHANNEL TEMPERATURE SCANNER	**VZ-72**										
	Configuration and add-on options											
1	**CONTROL RELAYS**											
▸	No Relay		0									
▸	Two Relay		2									
2	**POWER SUPPLY**											
▸	AC Vpltage 230 V AC 50 Hz			A								
▸	DC Voltage 24 VDC (± 10%)			D								
3	**INPUT SIGNAL**											
▸	RTD Pt-100 (three-wire)				R							
4	**EXECUTION**											
▸	DIN Rail mounting						D					
5	**RETRANSMISSION**											
▸	Retransmission required										R	
▸	Retransmission not required										N	

Our Other Products


FLOW TOTALIZER


SIGNAL ISOLATORS & TRANSDUCERS


TEMPERATURE SCANNER


FLAMEPROOF INSTRUMENTS


STATIC POWER SWITCHES

Designed and Manufactured by :
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