ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

VX-72

VX-Series Digital Indicator With Control Action



Overview

The ASHE VX-72 is part of a range of fully configurable microcontroller based universal Digital process Indicators with or without control relay outputs & retransmission 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. Dual four-digit LED displays are offered on the front panel. The display can indicate any scale range between –999 to +9999 units.

The Indicators accept all industrial standard input signals, like 4 to 20 mA DC, AC/DC Voltage, AC/DC Current, Resistance, and temperature sensors like RTD Pt-100, Thermocouples (type J,K,R,S,T etc.). The Indicators are available in compact dimensions in DIN Rail execution and operate on AC or DC power supply, as required. The instrument may be used in either two-wire or four-wire configuration and is calibrated as specified.

The instrument has upto two Relays for control action, the set-points of which may be set from the front keyboard. Options include analog retransmission signal, Weather-proof / flame-proof executions, etc.

The Ashe VX-72 Indicators offer a high degree of reliability owing to their inherent accuracy in process control, besides other characteristics like total immunity to shocks, dust, ambient temperatures, humidity and corrosive atmospheres. Further, the instruments are manufactured using selected high-grade components which guarantee their functional reliability and long operational life.

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

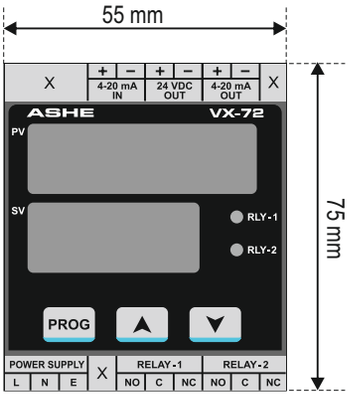
Specifications

Model	ASHE VX-72
Type	Microcontroller based Analog Process Indicator with Control Outputs
Input Signal	4 to 20 mA DC, AC/DC Voltage, AC/DC Current, Resistance, and all temperature sensors like RTD Pt-100, Thermocouples type J,K,R,S.T etc.
Display	Dual, 4-digit, 0.5”/0.4” seven-segment LED display.
Scale Range	–999 to +9999.
Calibration	Configurable.
Response Time	< 100 mS
Linearity	± 0.1% of span.
Calibration Facility	By Membrane keypad on front panel.
Control Outputs	Two Relay changeover contacts (configurable).
Contact Rating	10 Ampere @ 230 V AC (resistive loads).
Control Logic	High-Low (configurable).
Alarm Indication	By LEDs on front panel.
Memory	Non-volatile.
Accuracy	± 0.1% of FSD.
Retransmission	4 to 20 mA DC (optional).
Load Driving Capacity	600 Ohms
Polarity	Auto-sensing.
Settings	Settings for Zero, Span, Decimal point, Relay set-points, hysteresis.
Power Supply	90 to 270 VAC, 50/60 Hz Universal power supply. (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

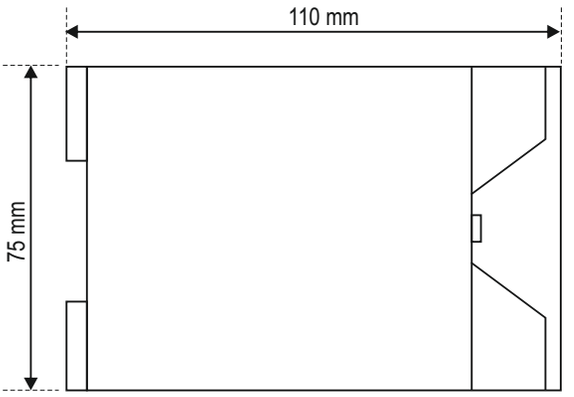
Features

- Micro-controller based design
- Universal Input (configurable)
- Standard analog signals and Sensors
- Compact and rugged DIN-Rail mounting
- Low Input impedance – negligible load on loop
- High accuracy and linearity to input signal
- Dual 4-digit seven-segment LED displays
- Up to two Relay change-over contacts
- Very low power consumption and heat dissipation
- Fully configurable
- Retransmission option
- External transmitter powering option
- Polarity Auto-sensing
- Selectable Decimal-point
- Universal AC Power Supply (optionally 24 VDC)
- 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

	DIGITAL INDICATOR WITH CONTROL ACTION	**VX-7**						
	Configuration and add-on options							
1	**CONTROL RELAY OUTPUT**							
▸	No Relay Output		0					
▸	Two Relay Outputs		2					
2	**POWER SUPPLY**							
▸	AC Voltage 90 to 270 VAC, 50/60 Hz			A				
▸	DC Voltage 24 V DC (±10%)			D				
3	**INPUT SIGNALS**							
▸	DC Current				L			
▸	DC Voltage				V			
▸	RTD Pt-100 (three-wire)				R			
▸	RTD Pt-100 (three-wire)				R			
4	**RETRANSMISSION (4 to 20 mA DC)**							
▸	Retransmission required					R		
▸	Retransmission not required					N		
5	**AUX POWER OUTPUT**							
▸	Aux 24 VDC out						Q	
▸	No Aux output						N	

Our Other Products


FLOW TOTALIZER


SIGNAL ISOLATORS & TRANSDUCERS


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