ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

AF-74

AF-Series Universal Indicator With Control Action



Overview

The ASHE Series AF is a range of fully configurable micro-controller based universal Digital Process Indicator with and without control relay outputs, 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. Single or Dual four-digit LED display options 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 Indicator is available in several dimensions in panel-mount execution and operates 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 multiple Relays for control action, the set-points of which may be set from the front keyboard. Options include Dual display, analog retransmission signal, DIN rail mount, Weather-proof / flame-proof executions, etc.

The ASHE Series AF range of 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 AF-74
Type	Microcontroller based analog process indication on Digital display with control action
Input Signals	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.
Response Time	< 100 mS
Linearity	± 0.1% of span.
Calibration Facility	By Membrane keypad on front panel.
Control Outputs	Up to 4 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
Settings	For Zero, Span, Decimal point.
Power Supply	90 to 270 V AC, 50/60 Hz Universal Power Supply. (Optionally 24 V DC).
Dimensions	96 x 96 x 75 mm [W x H x D].
Execution	Panel mounting.
Enclosure	Industrial grade ABS.
Weight	Approximately 0.5 Kgs.
Operating Temperature	0 to 55°C.

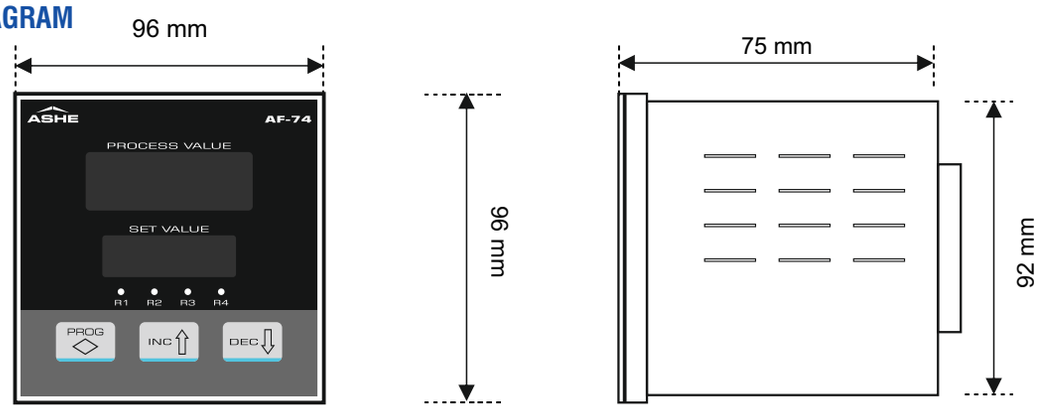
Features

- Microcontroller based design
- Universal Input (configurable)
- Standard analog signals and Sensors
- Low Input impedance – negligible load on loop
- High accuracy and linearity to input signal
- Dual 4-digit seven-segment LED displays
- Up to 4 Relay change-over contacts
- Very low power consumption and heat dissipation
- Fully configurable
- Retransmission option
- External transmitter powering option
- Selectable Decimal-point
- Universal AC Power Supply (24 V DC optionally)
- 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

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AF-Series Universal Indicator With Control Action

Dimensional Diagram



FRONT VIEW

SIDE VIEW

How To Order

	UNIVERSAL INDICATOR	**AF-7**						
	Configuration and add-on options							
1	**CONTROL RELAYS**							
▸	No Relay		0					
▸	Two Relay		2					
▸	Four Relay		4					
2	**POWER SUPPLY**							
▸	AC Voltage 90 to 270 V AC, 50/60 Hz			A				
▸	DC Voltage 24 V DC			D				
3	**INPUT TYPE**							
▸	DC Current				L			
▸	RTD Pt-100				R			
▸	Thermocouple				T			
▸	4 to 20mADC/RTD Pt-100/T/C				U			
▸	Pulse				P			
4	**RETRANSMISSION**							
▸	Retransmission					R		
▸	No Retransmission					N		
5	**AUX 24VDC OUTPUT**							
▸	Aux 24 VDC						Q	
▸	No Aux 24 VDC						N	

Our Other Products


FLOW TOTALIZER


SIGNAL ISOLATORS & TRANSDUCERS


TEMPERATURE SCANNER


FLAMEPROOF INSTRUMENTS


STATIC POWER SWITCHES

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