



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.



RoHS



SPECIFICATIONS

Model ASHE AF-Series

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</td>

 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 LogicHigh-Low (Configurable).Alarm IndicationBy 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 $96 \times 96 \times 75 \text{ mm } [W \times H \times D].$

ExecutionPanel mounting.EnclosureIndustrial grade ABS.WeightApproximately 0.5 Kgs.

Operating Temperature 0 to 55°C.

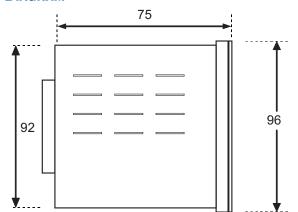
FEATURES

- 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
- Polarity Auto-sensing
- 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
- Proven record of several thousand installations



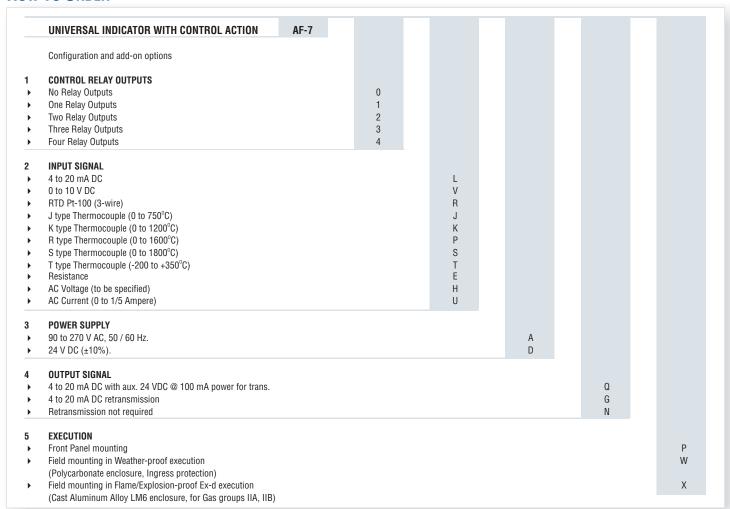
Universal Indicator With Control Action

DIMENSIONAL DIAGRAM





How To Order



OUR OTHER PRODUCTS











FLOW TOTALIZER

SIGNAL ISOLATORS & TRANSDUCERS

TEMPERATURE SCANNER

FLAMEPROOF INSTRUMENTS

STATIC POWER SWITCHES



Designed and Manufactured by :

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