

Digital Indicator With Control Action

OVERVIEW

The ASHE Series CY is a range of fully configurable micro-controller based universal Digital process Indicators 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. A four-digit LED display is offered on the front panel. The display can indicate any scale range between -999 to +9999 units.

The Indicators accept analog input signals like 4 to 20 mA DC and temperature sensors like RTD Pt-100, Thermocouples (type J,K,R,S). The Indicator is available in several dimensions in panel-mount execution and operates on universal AC power supply.

The instrument can optionally be provided up to two Relays for control action, the set-points of which may be set from the front keyboard. Options include On/Off and PID Control, multiple Relay outputs, Weather-proof / flame-proof executions, etc.

The Ashe CY 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



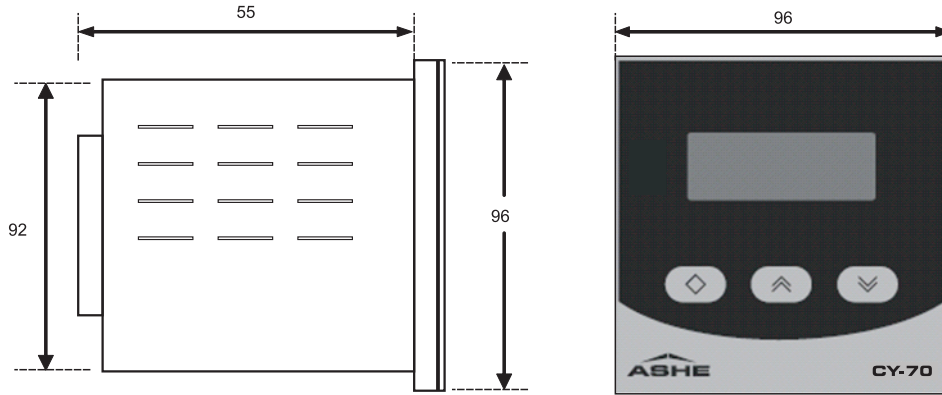
SPECIFICATIONS

Model	ASHE CY-72
Type	Microcontroller based Process Indicator
Input Signals / Sensors	4 to 20 mA DC or 0 to 10 VDC and Temperature sensors like RTD Pt-100, Thermocouples type J,K,R,S.
Display	4-digit, 0.5" 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	Upto 2 Relay changeover contacts (Configurable)
Memory	Non-volatile.
Accuracy	± 0.1% of FSD.
Retransmission	4 to 20 mA DC (optional).
Auxiliary Power Supply Out	24 VDC at 100mA for Aux Transmitter Power (optional).
Settings	Settings for Zero, Span, Decimal point.
Dimensions	96 x 96 x 55 mm [H x W x D].
Power Supply	90 to 270 V AC, 50/60 Hz, Universal AC Power (Optionally 24 VDC).
Execution	Panel mounting.
Enclosure	Industrial grade ABS.
Weight	Approximately 0.5 Kgs.
Operating Temperature	0 to 55°C.

FEATURES

- Microcontroller based design
- Low cost, high functionality
- Standard analog signal input
- Low Input impedance – negligible load on loop
- High accuracy and linearity to input signal
- 4-digit seven-segment digital LED displays
- Very low power consumption and heat dissipation
- Fully configurable
- Universal AC Power Supply (Optionally 24 VDC)
- Polarity Auto-sensing
- Selectable Decimal-point
- Rugged, industrial grade ABS enclosure
- High Noise immunity
- Panel / Field / Hazardous-area installation in IP66 execution
- Proven record of several thousand installations

DIMENSIONAL DIAGRAM



HOW TO ORDER

DIGITAL INDICATOR WITH CONTROL ACTION	CY-7					
Configuration and add-on options						
1 CONTROL RELAY OUTPUTS						
▶ No Relay (Simple Indicator)						
▶ One Relay						
▶ Two Relay						
2 INPUT SIGNALS						
▶ 4 to 20 mA DC						
▶ DC Voltage (to be pre-specified)						
▶ RTD Pt-100 (three-wire)						
▶ J type Thermocouple (0 to 750°C)						
▶ K type Thermocouple (0 to 1200°C)						
▶ R type Thermocouple (0 to 1600°C)						
▶ S type Thermocouple (0 to 1800°C)						
3 RETRANSMISSION						
▶ 4 to 20 mADC						
▶ Retransmission not required						
4 POWER SUPPLY						
▶ 90 to 270 V AC, 50 Hz (±10%). Universal AC Power Supply.						
▶ 24 V DC (±10%)						
5 EXECUTION						
▶ Panel mounting						
▶ Field mounting in Weather-proof execution (Polycarbonate enclosure, Ingress protection)						
▶ Field mounting in Flame/Explosion-proof execution (Cast Aluminum Alloy LM6 enclosure, for Gas groups IIA, IIB, IIC)						
						P W X

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Designed and Manufactured By :

ASHE CONTROLS PRIVATE LIMITED

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