ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

CY-70/CY-72

CY-Series Digital Indicator with/without 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 or optionally DC power supply.

The instrument can be offered with up to two Relays for control action, the set-points of which may be set from the front keyboard. Options include On/Off Control, Retransmission, 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.

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

Specifications

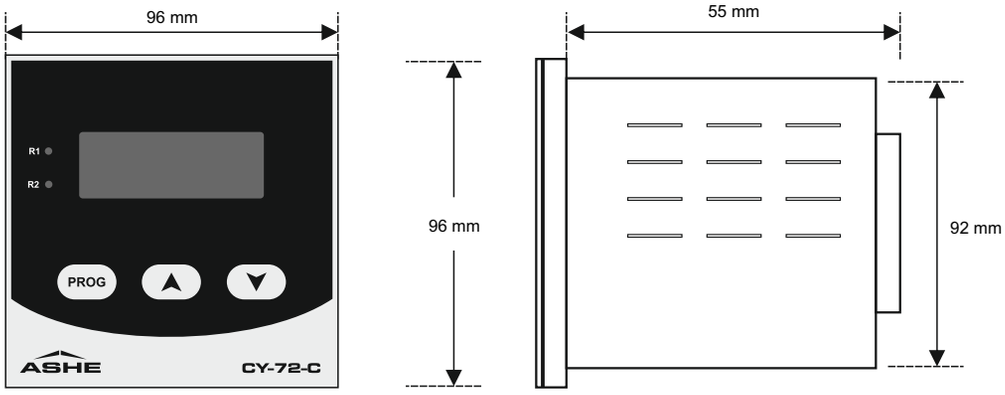
Model	ASHE CY-70 (Indicator) ASHE CY-72 (Indicator with two Relay outputs)
Type	Microcontroller based Process Indicator with /without control action.
Input Signals / Sensors	4 to 20 mA DC or 0 to 10 VDC and Temperature sensors like RTD Pt-100, Thermocouples type J,K,R,S, AC Voltage & AC Current.
Display	4-digit, 0.5” or 1"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 inputs and temperature controls.
- 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
- Two-year Performance Warranty
- Proven track record of successful site installations

CY-Series Digital Indicator with/without Control Action

Dimensional Diagram



FRONT VIEW SIDE VIEW

How To Order

	DIGITAL INDICATOR	CY-7-					
	Configuration and add-on options						
1	**CONTROL RELAYS**						
▸	No Relay (Simple Indicator)	0					
▸	Two Relays	2					
2	**POWER SUPPLY**						
▸	AC Voltage 90 to 270 VAC, 50/60 Hz		A				
▸	DC Voltage 20 to 70 VDC		D				
3	**INPUT SIGNALS**						
▸	DC Current (4 to 20 mA DC)			L			
▸	DC Voltage (to be specified)			V			
▸	RTD Pt-100 (three-wire)			R			
▸	Thermocouple			T			
▸	DC Current/RTD Pt-100/Thermocouple			U			
▸	4 to 20mA DC/0-10 VDC			Z			
4	**EXECUTION**						
▸	Panel mounting				P		
5	**RETRANSMISSION**						
▸	Retransmission Required					R	
▸	Retransmission Not Required					N	
6	**AUX 24 VDC OUTPUT**						
▸	AUX 24 VDC Required						Q
▸	AUX 24 VDC Not Required						N

Our Other Products


FLOW TOTALIZER


SIGNAL ISOLATORS & TRANSDUCERS


TEMPERATURE SCANNER


FLAMEPROOF INSTRUMENTS


STATIC POWER SWITCHES

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