

Dual Channel Indicators & Controllers

OVERVIEW

The ASHE CY-90 and CY-92 are fully configurable micro-controller based dual-channel Digital process Indicators with control relay outputs, retransmission and data communication, offered in a highly compact, rugged and reliable panel-mount execution.

The Indicators accept either 4 to 20 mA DC or RTD Pt-100 (three-wire) input signals and are available in standard ¼ DIN dimensions in panel-mount execution and operate on universal AC power supply. The instrument may be configured for full functionality through the tactile keys on the front panel, with which the operator can set the parameters and configure the instrument as desired. Dual four-digit LED digital displays are provided on the front panel to indicate the process values of each channel. The display can indicate any scale range between -999 to +9999 units.

The instrument has four Relays for control action, two for each channel, the set-points of which may be set from the front keyboard. Options include analog retransmission signal and RS485 Modbus RTU communication, flame-proof executions, etc.

The ASHE CY-90 and CY-92 Indicators offer a high degree of reliability owing to their inherent accuracy in process measurement and 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.



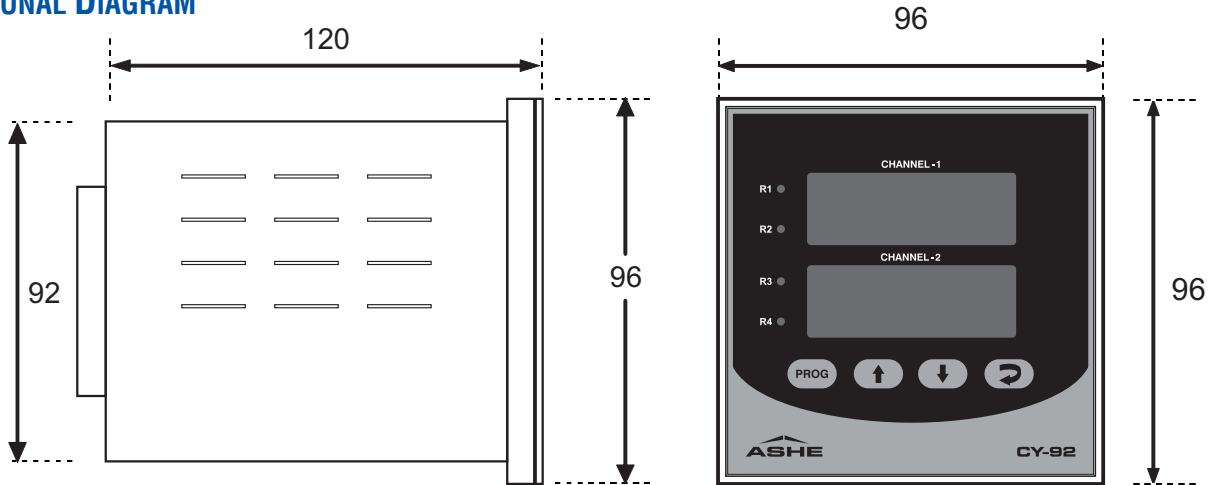
SPECIFICATIONS

Model	ASHE CY-92.
Type	Dual-Channel Process Indication with Control action, Retransmission and Data Communication.
Input 1	RTD Pt-100 (3-wire) -OR- 4 to 20 mA DC
Input 2	RTD Pt-100 (3-wire) -OR- 4 to 20 mA DC
Indication	Dual Four-digit seven-segment 0.4" red LED displays.
Scale Range	-999 to +9999.
Calibration	Configurable from Front Keypad
Retransmission	Two analog outputs : 4 to 20 mA DC for each Input (optional).
Load Capacity	600 Ohms (each).
Communication	RS485 on Modbus RTU protocol (optional).
Response Time	< 100 mSec.
Control Outputs	Four Relays - Two change-over contacts (programmable) for each Input.
Contact Rating	10 Ampere @ 230 V AC (resistive loads).
Accuracy	> ± 0.1% (for 4-20 mA DC Inputs) ± 0.2% (for RTD Pt-100 Inputs)
Weight	Approximately 500g
Power Supply	90 to 270 V AC, 50/60 Hz.
Dimensions	96 x 96 x 110 mm (HxWxD).
Enclosure	Industrial grade ABS
Operating Temp.	0 to 55°C

FEATURES

- Microcontroller based high speed precision design
- Dual channel Inputs, Display and Control, Retransmission and Data Communication
- Standard analog 4 to 20 mA DC Input or RTD Pt-100 Sensor input.
- Low Input impedance (analog) – negligible load on loop
- High accuracy and linearity to input signals
- Dual 4-digit seven-segment LED displays
- Four Relay change-over contacts (two per channel)
- Very low power consumption and heat dissipation
- Fully configurable
- Analog Retransmission option for each input
- External transmitter powering option for each input
- Polarity Auto-sensing
- RS485 on Modbus RTU communication (optional)
- Selectable Decimal-point
- Universal AC Power Supply
- 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 DUAL CHANNEL INDICATORS & CONTROLLERS	CY-9						
Configuration and add-on options							
1 CONTROL RELAY OUTPUTS							
▶ No Relay Outputs		0					
▶ Four Relay Outputs (Two Relays per channel)		2					
2 INPUT SIGNALS							
▶ 4 to 20 mA DC for each channel			L				
▶ RTD Pt-100 (three-wire) for each channel			R				
3 POWER SUPPLY							
▶ 90 to 270 V AC, 50/60 Hz				A			
▶ 24 VDC (±10%)				D			
4 OUTPUT SIGNAL							
▶ 4 to 20 mA DC for each channel					G		
▶ Retransmission not required					N		
5 COMMUNICATION							
▶ RS 485 on Modbus RTU required						M	
▶ RS 485 on Modbus RTU not required						N	
6 EXECUTION							
▶ Front Panel mounting							P
▶ Field mounting in Weather-proof execution (Polycarbonate enclosure, Ingress protection)							W
▶ Field mounting in Flame/Explosion-proof Ex-d execution (Cast Aluminum Alloy LM6 enclosure, for Gas groups IIA, IIB)							X

OUR OTHER PRODUCTS



FLOW TOTALIZER



SIGNAL ISOLATORS & TRANSDUCERS



TEMPERATURE SCANNER



FLAMEPROOF INSTRUMENTS



STATIC POWER SWITCHES



Designed and Manufactured by :

ASHE CONTROLS PRIVATE LIMITED

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