CP-10

SINGLE-CHANNEL, WALL-MOUNT CONTROLLER

Accepts 4-20 mA Input from Remote Sensor/Transmitter

The CP-10 is an economical, yet versatile single-channel controller with the features needed for monitoring a remote 4-20 mA gas sensor/transmitter or similar device. The instrument provides 24 VDC loop power, audio/visual alarms, alarm relays and other features. The CP-10 is easy to install, designed for wall mounting and completely programmable from the front panel membrane switches.

SPECIFICATIONS

Display:		8 Character, alphanumeric, high contrast dot matrix LCD with backlight
Display Options:		
	Units:	4 Character, 3 alphabetic plus 1 space for units: PPM, LEL or % standard, user selectable. Other units available on request.
	Range:	4 Character, numerical: 0.00 to 9999, user programmable.
Input, one:		4-20 mA, 2-wire, 3-wire or 4-wire (consult factory)
Loop Power:		24 VDC provided
Alarm Levels:		3 user programmable alarms
Audible Alarm:		105 dB at 30 cm (12 inches), factory set to activate at Alarm 1, user adjustable
Visual Gas Alarm:		3 Red LEDs
Visual Power/Fault:		Green/Red LED
Temperature Range:		5° to 104°F (-15° to +40°C)
Outputs:	Relays:	4 Form C, 10A SPDT contacts, 3 gas alarms and 1 fault
	Analog:	4-20 mA
	Digital:	RS-485 Modbus
Power:		100-240 VAC, 50/60 Hz and/or 24 VDC, 15W
Power Connection:		Supplied with strain relief for 0.20 to 0.35 inch diameter cable
Enclosure:		Polycarbonate
Size:		7 x 5 x 3 inches (18 x 13 x 8 cm)
Weight:		2 lbs. (0.9 kg)

FEATURES

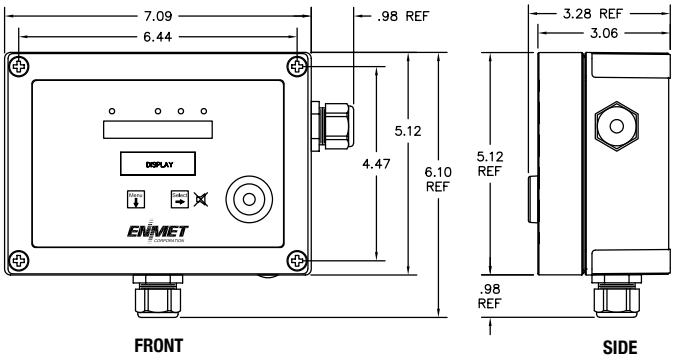
- Digital Display
- User Programmable Alarms
- 3 Alarm Levels
- 4-20 mA Input
- Audio/Visual Alarms
- 3 Gas Alarm Relays, plus 1 Fault Relay
- 100-240 VAC, 24 VDC Power Options
- Provides 24 VDC Loop Power
- High Capacity Relays
- High Integrity Polycarbonate Enclosure
- 4-20 mA Output
- RS-485 Digital Communication Capability
- Designed for 24 VDC Battery Backup

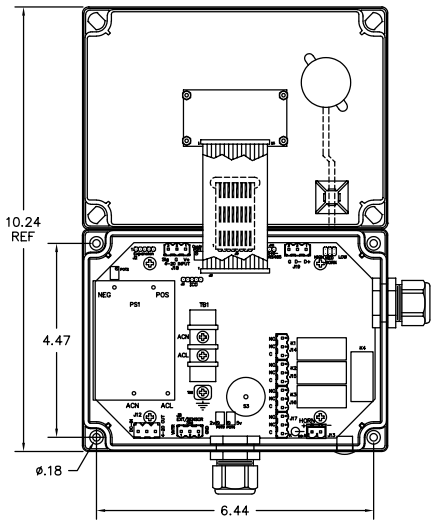
ENMET CORPORATION

P.O. Box 979, Ann Arbor, MI 48106-0979 734-761-1270 FAX: 734-761-3220 www.enmet.com info@enmet.com

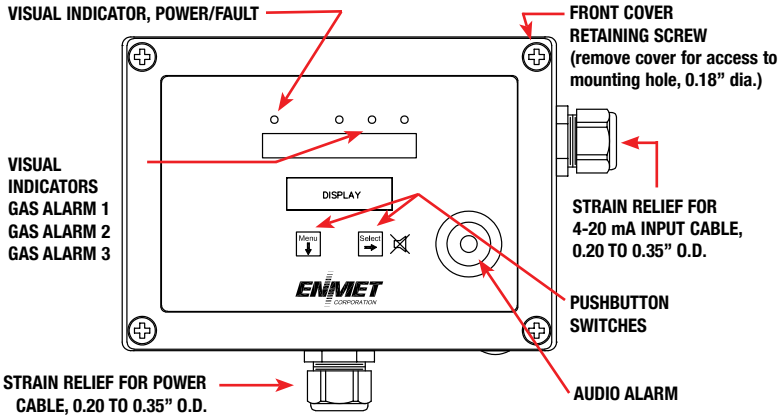
CP-10 Single-Channel Controller

DIMENSIONS IN INCHES

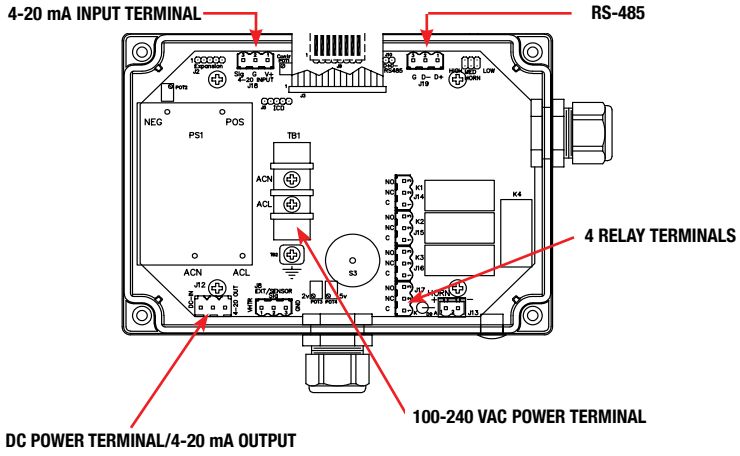




EXTERNAL FEATURES



INTERNAL FEATURES



ORDERING INFORMATION

Instrument	Part No.
CP-10 Single-Channel Controller	04640-001

Position	Function
1	+24 VDC power
2	GND
3	4-20 mA out

NOTE: Loss of primary power renders continuous gas monitors inoperative. Contact factory for specifications and pricing for backup battery systems compatible with ENMET monitors.

SENSOR/TRANSMITTERS

CONTACT ENMET FOR INFORMATION ON THESE AND OTHER 24 VDC, 4-20 mA SENSOR/TRANSMITTERS:

SE-5175, O_2, H_2 and ppm Toxic Gases

IR-6000, % LEL Combustible Gases

EX-5100, % LEL Combustible Gases

EX-5150-MOS, ppm or % LEL Hydrocarbons

SDS-97D, O_2, H_2 and ppm Toxic Gases

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Specification Subject to change without notice 5/29/07