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
CP-10 Single-Channel Controller

**DIMENSIONS IN INCHES**

**EXTERNAL FEATURES**

- **VISUAL INDICATOR, POWER/FAULT**
  - FRONT COVER RETAINING SCREW (remove cover for access to mounting hole, 0.18” dia.)
  - VISUAL INDICATORS
    - GAS ALARM 1
    - GAS ALARM 2
    - GAS ALARM 3
  - AUDIO ALARM

- **EXTERNAL FEATURES**
  - STRAIN RELIEF FOR 4-20 mA INPUT CABLE, 0.20 TO 0.35” O.D.
  - PUSHBUTTON SWITCHES
  - FRONT COVER RETAINING SCREW (remove cover for access to mounting hole, 0.18” dia.)

**INTERNAL FEATURES**

- **4-20 mA INPUT TERMINAL**
  - DC POWER TERMINAL/4-20 mA OUTPUT
  - 4 RELAY TERMINALS
  - 100-240 VAC POWER TERMINAL
  - RS-485

**ORDERING INFORMATION**

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

**SENSOR/TRANSMITTERS**

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

- **SE-5175, O₂, H₂**
  - and ppm Toxic Gases

- **IR-6000, % LEL**
  - Combustible Gases

- **EX-5100, % LEL**
  - Combustible Gases

- **EX-5150-MOS, ppm**
  - or % LEL Hydrocarbons

- **SDS-97D, O₂, H₂**
  - and ppm Toxic Gases

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

**P.O. Box 979, Ann Arbor, MI 48106-0979**

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Specification Subject to change without notice

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