The LC-8 controller is designed for monitoring remote 4-20 mA gas sensor/transmitters or similar devices. This instrument can be connected to any combination of up to eight sensor/transmitters for monitoring oxygen, toxic or combustible gases. The system provides 24 VDC power, audio/visual alarms, relays and other features.

**SPECIFICATIONS**

**Display:**
128 x 128 graphic display simultaneously showing readings for each channel and sensor type. 2.25 x 2.25 inches (57 x 57 mm)

**Inputs, up to eight:**
4-20 mA, 2-wire, 3-wire or 4-wire (consult factory); 24 VDC provided

**Alarm Levels:**
2 user-programmable alarms per channel, and 1 common alarm 3

**Audio Alarm:**
An Audible Alarm is provided by a horn mounted within the enclosure. This provides a local audible tone during alarm conditions.

**Visual Indicator:**
Red Alarm LED
Yellow Fault Alarm LED
Green Power On LED

**Relays:**
2 per channel (1st & 2nd alarms). 1 system 3rd gas alarm. 1 system fault relay.

**Relay Rating:**
5 Amps, 240 VAC or 24 VDC

**Outputs:**
4-20 mA per channel

**Temperature Range:**
14° to 122°F (-10°C to +50°C)

**Power:**
100-240 VAC or 24 VDC

**Enclosure:**
Lockable, wall-mount steel enclosure, powder coated to RAL7035, IP65 ingress rating

**Ingress Rating:**
IP65

**Size:**
11.8 H x 19.7 W x 3.2 D inches (300 x 500 x 80 mm)

**Weight:**
17 lbs. (7.7 kg)

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**FEATURES**

- Digital Display of All Channels Simultaneously
- User-Programmable Alarms and Relays
- 4-20 mA Input, up to 8
- 2 Alarm Relays per Channel, plus 1 Common Alarm Relay and 1 Fault Relay
- Audio/Visual Alarms
- 100-240 VAC, 24 VDC Power Options
- Provides 24 VDC Power for Sensor/Transmitters
- 4-20 mA Output per Channel
- Designed for 24 VDC Battery Backup
- Lockable Painted Steel Enclosure
- Simple Wall-Mount Installation
- IP65 Ingress Rating
**LC-8 8-Channel Wall Mount Controller**

**CUSTOMER FIELD CONNECTIONS**

**OVERALL ENCLOSURE DIMENSIONS**

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

**EXAMPLES OF OPTIONAL SENSOR/TRANSMITTERS**

- MOS Sensor ppm Hydrocarbons
- IR Sensor ppm to % Volume CO₂
- Electrochemical Sensor O₂, ppm H₂ and Toxic Gases
- PID Sensor ppm/ppb Toxic Hydrocarbons
- IR & Catalytic Sensors for % LEL & % by Volume Combustible Gases

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>LC-8, 8-CHANNEL CONTROLLER</td>
<td>02626-108</td>
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<tr>
<td>LC-8 MANUAL</td>
<td>80003-049</td>
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