The LCI108 & LCI108J Series 3-1/2 digit panel meter offer flexibility, and value in a low cost, compact 1/8 DIN package. This family of indicators offers input availability for virtually all types of process measurement. The LCI108 & LCI108J are identical except for the size of the display. The LCI108 has a 0.56” (14 mm) high display. The LCI108J (jumbo) has a 0.80” (20 mm) display for viewing from longer distances. Inputs are available for Process (0 to 10V, 4 to 20 mA), AC Volts, AC Amps, DC Volts, DC Amps, Temperature (RTD), Temperature (Thermocouple), and Frequency, depending on the model. The process and frequency inputs have appropriate transducer excitation power supplies, giving you everything you need in a compact package.

### Specifications

**Inputs:** Process, Thermocouple, RTD, VAC, VDC, A AC, A DC, Frequency.

**Input Impedance:**
- Process: Voltage, 1 MΩ; Current, 12.1Ω;
- AC & DC Current: 0.012 Ω for 5 A, 0.06 Ω for 1 A;
- AC & DC Voltage: 3 MΩ for 600 V, 300 kΩ for 200 V, 30 kΩ for 20 V.

**Display:**
- 4 digit, 14 mm red for LCI108;
- 4 digit, 20 mm red for LCI108J;
- Programmable decimal point with 2 LEDs for output status indication on all units.

**Accuracy:**
- ±0.1% of reading (except T/C & RTD);
- ±0.4% of reading for T/C;
- ±0.1% for RTD.

**Power Requirements:** 120/240 VAC, 50/60 Hz ±10%.

**Power Consumption:** 3 W max.

**Operating Temperature:** 14 to 140°F (-10 to 60°C) / <95% @ 104°F (40°C) non-condensing.

**Front Panel Rating:** NEMA 4X (IP66).

**Agency Approvals:** CE.

### Accessories for LCI Series

**LCIA-01 Dual Relay Output Option Card**

- **Specifications**
  - Relay Output: 2 SPDT relays rated at 8 A @ 250 VAC resistive.
  - Maximum Power: 2000 VA, 192 W.
  - Maximum Voltage: 250 VAC, 150 VDC.
  - Contact Resistance: 3 MΩ maximum.
  - Output Response Time: 10 ms maximum.

**LCIA-02 Quad Relay Output Option Card**

- **Specifications**
  - Relay Output: 4 SPDT relays rated at 0.2 A @ 250 VAC resistive.
  - Maximum Power: 25 VA, 192 W.
  - Maximum Voltage: 250 VAC, 10 VDC.
  - Contact Resistance: 200 MΩ maximum.
  - Output Response Time: 6 ms maximum.

**LCIA-05 Isolated Analog Retransmission**

- **Specifications**
  - Output: Selectable 0 to 10 VDC into 500 Ω min, 4 to 20 mA into 800 Ω max.
  - Resolution: 12 bits.
  - Accuracy: 0.1% of full scale ±1 bit.
  - Response Time: 60 ms max.
  - Thermal Drift: 0.2 mV/°C; 0.5µA/°C.

**LCIA-07 BCD Output Option Card**

- **Specifications**
  - Output: 5-1/2 digits Tri-state logic for 5 V TTL or 24 VDC signals.
  - Data Transfer Time: 2 ms.

**LCIA-08 RS-232 Serial Communications Option Card**

- **Specifications**
  - Protocol: Selectable ISO1745 (ASCII) or Modbus® RTU protocol.
  - Baud Rates: 1200 or 19200 baud, selectable.
  - Address Range: 0 to 99.

**LCIA-09 RS-485 Serial Communications Option Card**

- **Specifications**
  - Output: RS-485, half duplex, 3-wire, via RJ-11 connector.
  - Protocol: Selectable ISO1745 (ASCII) or Modbus® RTU protocol.
  - Baud Rates: 1200 or 19200 baud, selectable.
  - Address Range: 0 to 99.

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