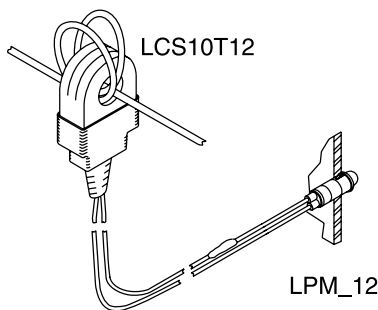


LCS10T12 / LPM SERIES

Current Indicators



Wiring Diagram



Wire Length: 500 ft.
(152.4m) max.
(Customer Supplied)

CAUTION: The LCS10T12 must be connected to the LPM12 or LPMG12 before current flows to prevent damage or shock hazard. Monitored wires must be properly insulated.

Description

The LCS10T12 connected to the LPM12 or LPMG12 indicator is a low cost, easy to use, go/no-go indication system for the remote monitoring of current flow. The LCS10T12 is installed on an adequately insulated wire of the monitored load. Its 12in. (30.4cm) leads are connected to the LPM12 or LPMG12 panel mount indicator directly or via customer supplied wires up to 500 feet (152.4m) long.

Operation

When the monitored current is 5A turns, the panel mount LPM indicator will glow. The LCS10T12 is designed to maximize the light output of the panel mount indicator. It can be used to monitor current flow of less than 5A by passing the monitored conductor 2 or more times through the sensor.

CAUTION: The LCS10T12 must be connected to the LPM12 or LPMG12 before current flows to prevent damage or a shock hazard. Monitored wires must be properly insulated.

Panel mount indicator designed to match the output of the LCS10T12. The LPM12 and LPMG12 come with 12 in. (30.4 cm) wires and a one piece mounting clip. Both devices install quickly in a 0.25 in. (6.35 mm) hole in panels from 0.031 - 0.062 in. (0.79 - 1.6 mm) thick.

Features

- Low cost go/no go indication
- May be connected to wires up to 500 feet (152.4 m) long
- Remote monitoring of currents up to 50A
- Green or red LED indicator available

Specifications

Monitored Current

| Wire Passes | Min. Current | Max. Current | Max. Inrush | Max. Wire Dia. |
|-------------|--------------|--------------|-------------|--------------------|
| 1 | 5A | 50A | 120A | 0.355 in. (9.0 mm) |
| 2 | 2.5A | 25A | 60A | 0.187 in. (4.7 mm) |
| 3 | 1.7A | 16.6A | 40A | 0.15 in. (3.8 mm) |
| 4 | 1.3A | 12.5A | 30A | 0.125 in. (3.2 mm) |
| 5 | 5/X | 50/X | 120/X | |

| | |
|--|---|
| Maximum Current | 50A turns continuous |
| AC Line Frequency | 50/60Hz |
| DC Resistance of Current Limiter | 65 Ω |
| Mechanical Sensor Hole | 0.36 in. (9.14 mm) for up to #4 AWG (21.1 mm ²) THHN wire |
| Termination | 12 in. (30.4 cm) wire leads |
| Environmental Operating/Storage Temperature | -40° to 60°C/-40° to 85°C |
| Weight | LCS: ≈ 0.8 oz (23 g) LPM: ≈ 0.2 oz (6 g) |

Ordering Information

| MODEL | DESCRIPTION |
|----------|---------------------|
| LCS10T12 | AC Current Sensor |
| LPM12 | Red LED Indicator |
| LPMG12 | Green LED Indicator |

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