

MLHG6RD-AU Remote Indicator



Specification Introduction

The MLHG6RD-AU Remote Indicator is designed for use with the MLHG6 Line Isolation and Overload Monitor (LIOM). A remote indicator duplicates audible and visual alarm indications from the LIOM. The remote indicators include a green “SAFE” LED, a red “HAZARD” LED and a “MUTE” button with an integral amber LED. The “MUTE” button is used to silence the remote audible alarm. Optionally, it can also be used to silence all audible alarms in the system.

Standard features include:

- Green “SAFE” LED to indicate a normal condition
- red “HAZARD” LED to indicate an alarm condition
- mute push-button with integrated amber “MUTE” LED to silence the audible alarm
- amber “OVERLOAD” alarm LED
- test button
- digital display showing THC reading
- digital display showing % isolation transformer load in real-time
- low voltage wiring (12V DC or 12VAC)
- ability to connect up to two (2) MLHG6RD-AU to a single MLHG6 LIOM.

Operational Information

General: The remote indicators are controlled from the LIOM. A green “SAFE” LED stays illuminated while the system is in the normal condition. When the LIOM goes into alarm, the green “SAFE” LED extinguishes and the red

“HAZARD” LED illuminates. While in “HAZARD” mode, the audible alarm will sound. When depressed, the “MUTE” button will mute the audible alarm signal. Actuation of this button shall cause the integral amber LED to illuminate, indicating that the audible alarm has been silenced. When the hazard current has returned to the acceptable level, the alarm indicators shall automatically reset.

Test button: The “TEST” button will put the LIOM through the test cycle. This button must be held for approximately five (5) seconds to complete the test.

Load monitoring: The load monitoring feature provides the ability to monitor the percentage of load used on the secondary side of the isolation transformer. The LIOM calculates the percentage of load being used. When the isolation transformer approaches 80% of rated power, a flashing amber LED illuminates. When 100% of power is reached, a flashing amber LED illuminates as well as an audible alarm.

Digital display: This option features a digital display showing both the total hazard current and the percentage of transformer load.

Accessories

Wall box: The MLHG6RD-AU requires a separate wall box for installation in a wall. The standard Clipsal 147/2 Wall Box is suitable for this application.

Cable: For connection of the communications cable from the MLHG6 LIOM to the MLHG6RD-AU unit, Clipsal by Schneider Electric recommends the use of 2A1PIS24 Screened Cable.

Technical DATA

Operating voltage
12V DC or 12V AC

Maximum current
100mA

Operation class
continuous operation

Ambient temperature
- when operating 0°C to 50°C
- when stored -25°C to 70°C

Connection
screw terminal block

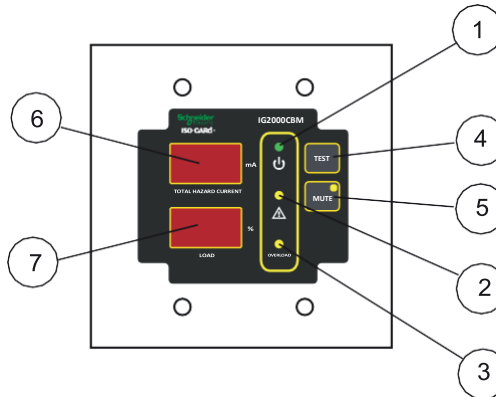
Conductor size/length
RS-485 twisted, shielded pair:
0.2 to 3.3mm²/max. 30m

Tightening torque
0.5 to 0.8Nm

Mounting
by screws

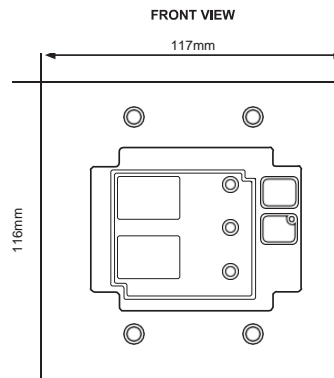
Weight
150g

**Operating and display elements example:
MLHG6RD-AU**



1. Green "SAFE" LED
2. Red "HAZARD" LED
3. Amber "OVERLOAD" LED
4. "TEST" button
5. "MUTE" button with amber LED
6. Digital display showing Total Hazard Current
7. Digital display showing Transformer Load

Dimensions:



Isolated Power Supply Architecture

