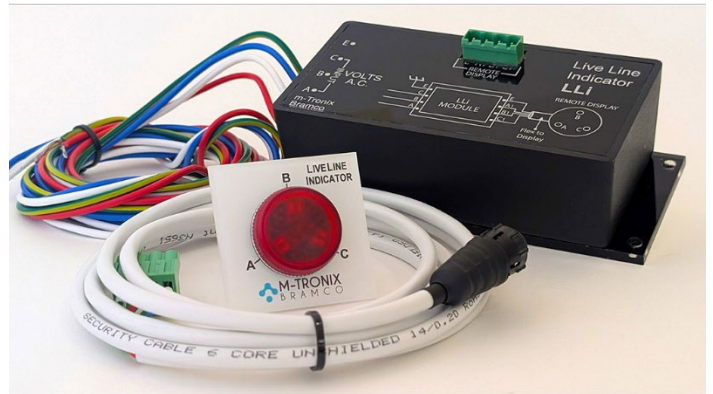




LLi Live Line Indicator

PRODUCT OVERVIEW

The LLi Live Line Indicator provides high-visibility monitoring of 3-phase AC load circuits, giving operators immediate confirmation of live or isolated status.

Compact, robust and designed for mining environments, the LLi helps ensure safe switching and isolation procedures, reducing the risk of accidental contact with energised equipment.

Fully compliant with AS 2081:2011 for electrical protection systems in mining applications.

APPLICATION

The m-tronix LLi is used wherever operators require absolute clarity on whether a 3-phase circuit is energised.

Typical applications include:

- Underground and surface mining switchgear
- Longwall, conveyor and pump starters
- MCCs and fixed plant
- OEM enclosures
- Electrical distribution panels
- Any location needing safe phase-presence indication

With the matching **LLD Remote Display**, the operator sees extra-low-voltage indication at the front panel — **keeping personnel safe** by eliminating hazardous voltage exposure.

FEATURES

General

- Compact, panel-mounted, low-power 3-phase indicator
- High-visibility LED indicators for each phase
- Remote display powered by ELV supply
- Designed for mining-grade reliability

Normal Operation

- **No AC present:** all LEDs OFF
- **AC present:** LEDs ON for each energised phase
- If **any** LED is ON → **circuit is LIVE**

Switchgear Fault Detection

- LEDs ON when the circuit should be isolated
- Indicates welded contactor, leakage, or isolation failure

LED Indicators

- Phase A (U)
- Phase B (V)
- Phase C (W)

SPECIFICATIONS

Supply Voltage Options

- 380–480 V AC
- 660–1100 V AC

Indication

- High-brightness LED indicators
- ELV remote display (LLD)

Connections

- A, B, C phases + Earth
- LLD plug-in connector

Power Consumption

- < 2 VA typical

Environmental

- Operating Temperature: 0–60°C
- Humidity: 0–95% non-condensing

Enclosure

Material: High-impact polycarbonate

Mounting: Panel or DIN options

Terminals: Cage screw

Dimensions: (Insert diagram on Page 2)

COMPLIANCE

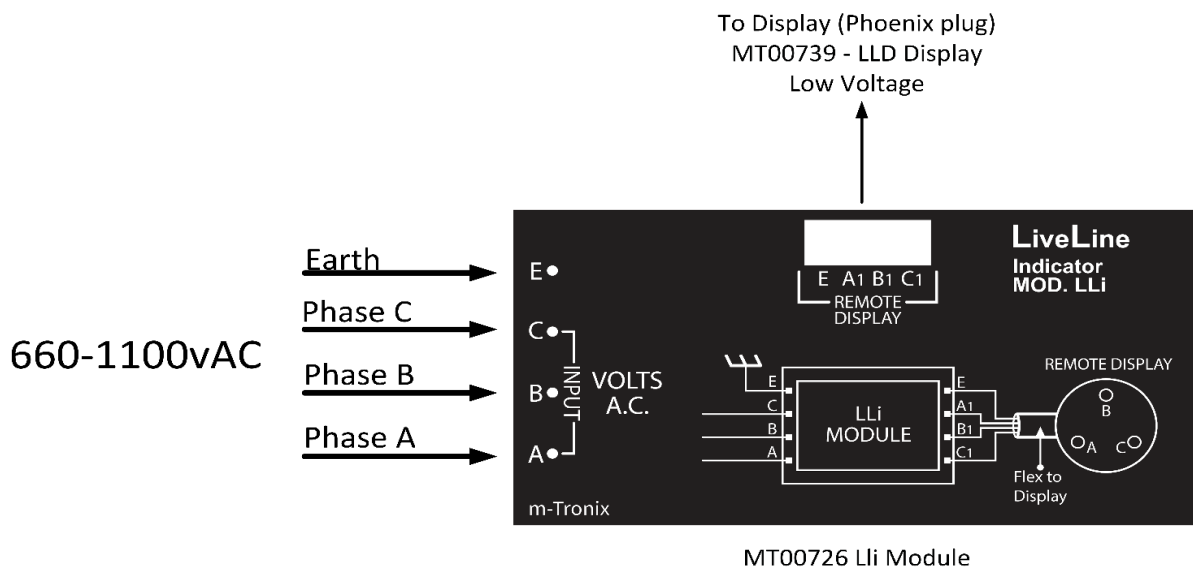
- **AS 2081:2011** (relevant live-line indication requirements)
- Designed for use in mining and industrial electrical protection systems
- Manufactured to applicable AS/NZS and IEC standards

ORDERING INFORMATION

Part Number	Description
A00726	LLi 660–1100 V AC with LLD Remote Display
A01361	LLi 380–480 V AC with LLD Remote Display
A00739	LLD Remote Display (spare / replacement)

This product is designed and manufactured in accordance with ISO9001:2000 certified company standards.

LLi Wiring Diagram



m-tronix Pty Ltd