



## LLi - Live Line Indicator

### Overview:

M-Tronix is your source for highly innovative electronic control, protection, and monitoring systems for mining and general industry. M-Tronix is your exclusive distributor of the Bramco product range.

Leaders in Innovative Protection Systems, the M-TRONIX LLi is compliant to latest statutory and industry standards. The LLi provides visual display for monitoring 3-phase voltages.

### Application:

The M-TRONIX Live Line Indicator (LLi) provides a visual display of the status of each phase of a 3 phase AC load circuit.

### Features:

The LLi is a compact, panel mounted, low power, three phase monitor device to provide visual indication of load phases being present.

The three load phases and Earth are connected to the LLi.

The LLi Remote Display Indicator is mounted on the door panel and plugs into the matching socket on the LLi.

The remote display has an extra low voltage supply, which reduces the risk of line voltage being present at the front panel.

### Normal:

- No AC - three phase LEDs should be Off.
- AC On - the three phase LEDs will be On.
- If any or all the LEDs are On, the circuit is alive.

### Switch Gear Fault:

If any or all of the three phase LEDs are On, indicates a load phase not isolated.

### LEDs for:

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

### Ordering Information:

A00726 - LLi 660-1100v c/w LLD Display

A01361 - LLi 380-480v c/w LLD Display

A00739 - LLD Display

### Specifications:

Supply:	MODEL	MIN	TYP	MAX	UNIT
	A00726	660	-	1100	V AC 50/60Hz
	A01361	380	-	480	V AC 50/60Hz

<b>Phase Voltage:</b>	240-700vAC
<b>AC Voltage:</b>	2000vAC 1 minute (PH to E)
<b>Phase Loading to Earth:</b>	100k Ohms at 50Hz
<b>DC Voltage:</b>	3500vDC 1 minute (Ph to E)
<b>Phase Loading to Earth:</b>	20M Ohms at DC
<b>Operating Temperature:</b>	0 – 50C

#### Enclosure LLi Module

- 70W x 155L x 55H
- Encapsulated Polycarbonate construction
- 4 x 140mm x 50mm pitch x dia 4.5mm
- 3 x phase and earth flexible wires out one end,
- 1.5m long each
- Remote Display Socket, 4 way phoenix
- Weighs 545gms

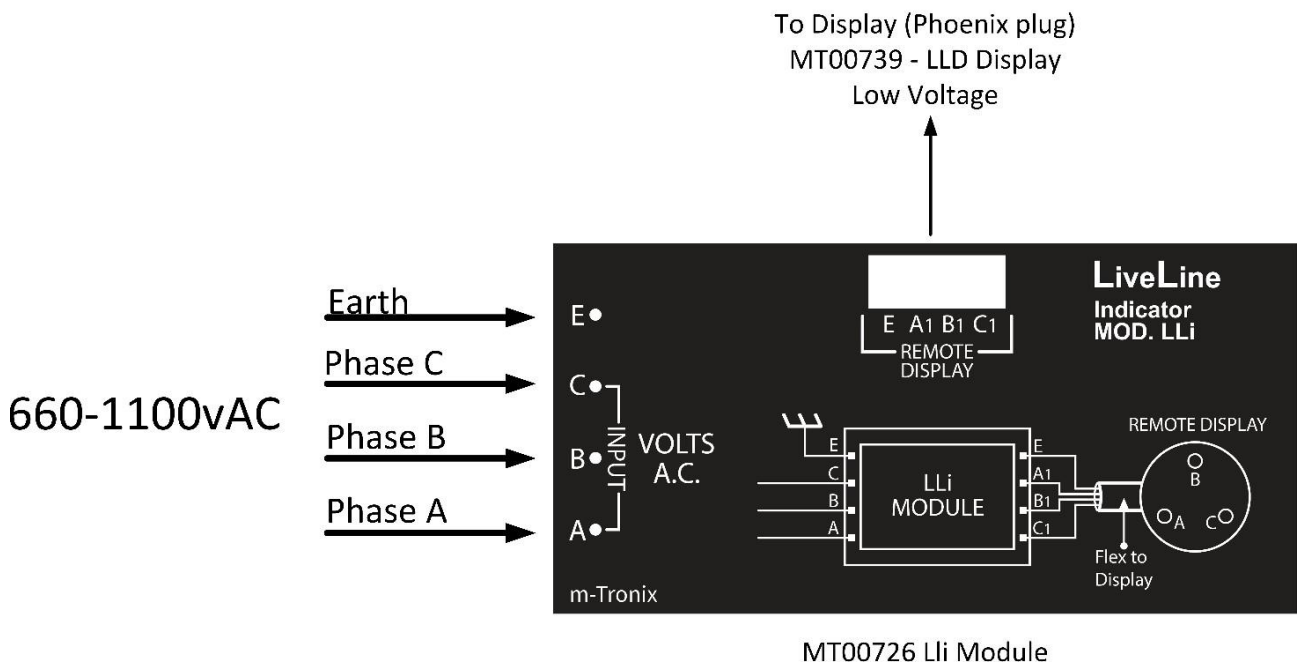
#### Enclosure Remote Display

- Panel cut out 22.5mm diameter.
- Bezel 30mm diameter x 14mm projection.
- Depth 25mm excluding cable.
- Connection to module through 2m cable wired into a 4way phoenix plug.
- Weighs 55gms

This product is designed and manufactured in accordance with ISO9001:2000 requirements.



## LLi Wiring Diagram



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**Compliance:**  
AS/NZS 2081:2011  
The LLi/LLD comes with  
a 2-year warranty.