



Live line Indicator

Helping keep the workplace safe

- Use the REMLIVE RL24IC as part of your electrical isolation process. Provides user with visual status on voltage presence/absence as part of lock out / tag out procedure
- Prominent display unit that includes bright, flashing LEDs to attract the users attention of live voltage presence in circuits
- Extra low voltage (3.8V DC) to panel display unit for operator safety
- Monitoring and Indication of voltage present between 24-690V AC (see overvoltage categories reference over the page)
- Straight forward installation to new and existing panels
- Compliance with IEC 60204 - Safety of Machines (Insulation Test)
- Internal surge protection. Embedded 500mA fuse protection up stream of internal surge suppression
- Consistent LED flash rate, every 1 second
- IP66 rating



SAVE LIVES AND REDUCE THE RISK OF ACCIDENTS!

Keeping Australian and New Zealand workplaces safe for over a decade



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REMLIVE complements NHP's SMART Safety Solution!

The REMLIVE RL24IC unit serves the purpose of providing live line indication. This product can be used in the isolation or lock out/ tag out process to assist the operator in visually checking if voltage (as per monitored range) is still present in the circuit even after it has been electrically isolated.

The RL24IC consists of three parts: (1) Main DIN rail mount monitoring unit; (2) Door mount display unit; and (3) RJ45 Ethernet patch cable. All three parts are supplied when you order RL24IC.

The display unit is designed to fit through the front of the control panel or switchboard via a 30.5mm hole size. This also allows for the use of a suitable legend plate around it, which can be used to show additional information including safety related messaging.

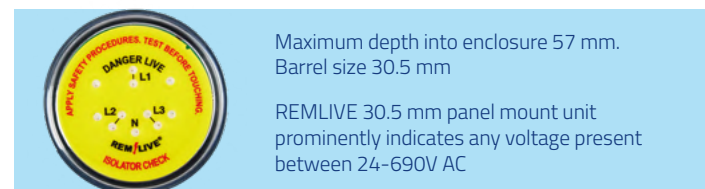
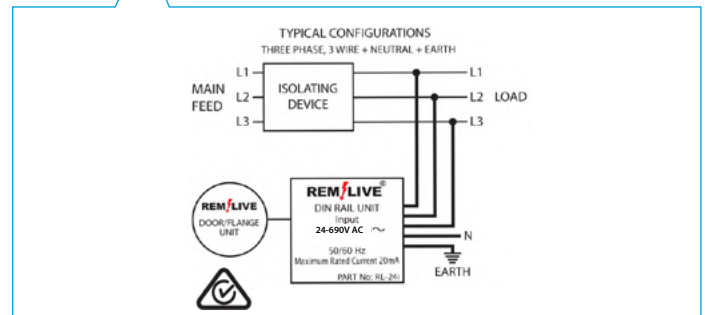
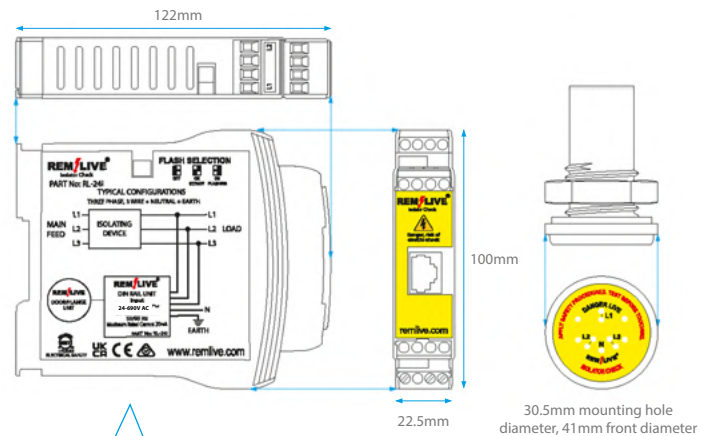
This display unit or panel indicator makes use of bright, flashing LEDs to capture the user's attention on the presence of live voltage. If the circuit voltage is greater than the minimum monitored voltage range level of the REMLIVE unit, it will illuminate the LED(s) for the relevant phase(s) and neutral. Similarly, it will not illuminate when voltage is below this level.

The display unit is connected to the main DIN rail mount monitoring unit via a RJ45 ethernet patch cable.

The main REMLIVE monitoring unit is mounted on DIN rail inside a switchboard assembly or control panel. It is connected to the electrical supply and as close as possible to the isolation point e.g. at the load side of the disconnect switch or circuit breaker. Therefore, the operator performing the isolation can see that the device is functional (LEDs ON) with the power ON and once isolation switching is performed, should observe the change of state (LEDs change state from ON to OFF) on the REMLIVE unit. The operator is still required to test and work through other isolation procedures before making direct contact with components in the panel.

The monitoring and display units are electrically isolated from one another.

RL24IC live line indicators monitor voltages from 24 - 690V AC. Check voltage range at the relevant overvoltage categories from the technical information table in this document.



Maximum depth into enclosure 57 mm.
Barrel size 30.5 mm

REMLIVE 30.5 mm panel mount unit prominently indicates any voltage present between 24-690V AC

Technical information		Catalogue no.
Voltage range	24 - 690V AC (CAT IV)	RL24IC
Voltage tolerances	+10%, -11%	
Input frequency, nom	50/60 Hz	
Maximum rated current	20 mA	
Maximum power dissipation	20W	
IP rating (door unit)	IP 66	
Material, body/housing	UL94 V-0 polycarbonate material	
Approvals	RCM	
Standards compliance	IEC 60204 - Safety of Machines (Insulation Test) IEC 61000-4-5 IEC 61180-1	
Cable length	1.5M	
Mounting	Door display unit - fits via 30.5mm hole, unit secured via locking nuts (supplied with unit)	
	Main panel unit - mounted on DIN-35 rail	
Insulation resistance (phase to earth)	>20MΩ	
Temperature range	-35°C to 40°C	
Altitude (max)	5000m	

Please contact NHP for more information on connection details, a full list of standards compliance and application information.

Relevant industries include:

- Mining
- Manufacturing
- Metals
- Oil and gas
- Data centre
- Water and wastewater
- Food and beverage
- Pulp and paper
- Power and energy
- Infrastructure