

# Three phase supply monitor 1430 Smart indicator series



- ▶ Monitors appliance and incoming supply
- ▶ Direct replacement for Neon indicator
- ▶ Simple equipment safety indication
- ▶ Checks for swapped connections
- ▶ Checks for missing connections
- ▶ Checks for blown fuses
- ▶ Checks for correct phase sequence
- ▶ Green LED indicates normal operation
- ▶ Flashing Red LED indicates a fault
- ▶ Convenient snap-in design
- ▶ Fast-on terminals
- ▶ Panel cut out:  
30.0 x 11.0



208V Phase/Phase  
380V Phase/Phase

Less than 1 watt (power consumption)

UL Recognised. File no. E311309



CE Mark







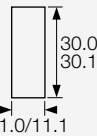
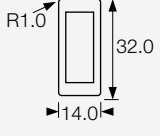
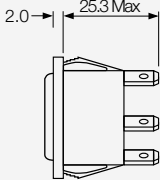
FCC compliant



RoHS compliant

**C 1434 A L - - -**

TERMINAL    FUNCTION    SOFTLINE    LENS    BODY    VOLTAGE, COLOUR

▶ TERMINAL	▶ BODY & DIMENSIONS	▶ SPECIFICATION
<p><b>C</b></p>  <p>6.3 x 0.8</p> <p><b>H</b></p>  <p>4.8 x 0.8</p> <p><b>T</b></p>  <p>Ø2.1 Solder</p> <p><b>X</b></p>  <p>4.0 PCB 0.8Sq</p>	<p><b>L Panel Cut-Out</b></p>  <p>30.0 30.1 11.0/11.1</p> <p><b>Bezel</b></p>  <p>R1.0 32.0 14.0</p> <p><b>Dimensions</b></p>  <p>2.0 25.3 Max</p>	<p><b>Dimensions</b></p> <p>Bezel 32.0mm x 14.0mm Panel cut-out 11.0/11.1mm x 30.0/30.1mm 0.75mm to 2.5mm</p> <p><b>Panel thickness</b></p> <p>0.75mm to 2.5mm</p> <p><b>Body</b></p> <p>Nylon 6.6, matt finish, black colour is standard</p> <p><b>Lens</b></p> <p>Clear Polycarbonate, Softline matt finish</p> <p><b>Terminals</b></p> <p>Copper alloy, Silver plated</p> <p><b>Flame retardancy</b></p> <p>UL94V0</p> <p><b>RoHS compliant</b></p> <p>Yes</p> <p><b>Operating supply</b></p> <p>208V Phase/Phase ±20% 50/60Hz 380V Phase/Phase available</p> <p><b>Power consumption</b></p> <p>Less than 1 Watt</p> <p><b>Operating conditions (body)</b></p> <p>-20°C to +70°C (-4°F to 158°F) 0 to 95% RH (non-condensing)</p> <p><b>Electromagnetic Compatibility</b></p> <p>Compliant with directives 89/336/EEC &amp; 92/31/EEC</p> <p><b>EMC Immunity</b></p> <p>EN 55014-2:1997 Household appliances EN 61000-6-2:2005 Industrial Environments, 10 V/m</p> <p>EN 61000-4-2:1995 Electrostatic Discharges (ESD) EN 61000-4-3:2002 RF Electromagnetic fields EN 61000-4-4:2004 Fast Transients &amp; Bursts EN 61000-4-5:1995 Surges EN 61000-4-6:1996 Conducted disturbances EN 61000-4-11:2004 Voltage dips &amp; interruptions</p> <p><b>EMC Emissions</b></p> <p>EN 55014-1:2001 Household appliances EN 55022 Class B:1998 Domestic environments</p> <p><b>Approvals</b></p> <p>UL Recognised (208V version only) FCC Compliant CE Mark</p> <p><b>Standards</b></p> <p>UL 508 CSA C22.2 No. 14-05</p>

All dimensions in millimetres (mm)

## APPLICATIONS

- ▶ **Monitoring of three phase, 3 or 4-wire supply systems**
- ▶ **Power Distribution Units/Switchboards – Monitoring incoming supply**
- ▶ **Portable or Site equipment – Monitoring of temporary supply connections**
- ▶ **Motorised equipment - monitoring correct direction of rotation**
- ▶ **Blown fuse indication – loss of one phase**
- ▶ **Motors - Single phasing indication**

## INDICATIONS

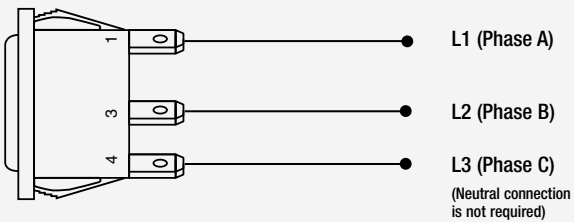
The phase sequence is particularly important for all three-phase motorised machinery, since incorrect connections can result in motors rotating in the wrong direction, risking equipment damage or injury to personnel. Motors can continue to operate even if one phase is lost (for example, due to a blown fuse) but prolonged operation can result in damage.

The Smart Indicator connects directly to the three-phase supply, continuously monitoring the presence of all three phases and ensuring that the phase sequence is correct.

The proper phase sequence "ABC" will illuminate the Green LED, clearly indicating correct connections. A reversed sequence, such as "BAC" will illuminate and flash the Red LED. Additionally, the loss of one phase connection will flash the Red LED, useful for indicating fuse failure.

The Smart indicator can replace any standard neon indicator, maintaining the minimal on/off indication that is usually found on equipment, whilst adding essential diagnostic display information for common problems such as incorrect or missing connections.

## CONNECTIONS



## PART NUMBER

### 1434AL

Specify Terminal Type:	C, H, T, X
Specify Model Code:	1434AL
Specify Supply Voltage:	208V Ph./Ph. (380V Ph./Ph. available)
Specify LED Colour:	Green/Red, Blue/Red