

Single phase mains supply checker 1430 Smart indicator series



- ▶ Monitors appliance and mains supply
- ▶ Direct replacement for Neon indicator
- ▶ Equipment safety indication
- ▶ Checks for swapped connections
- ▶ Checks for missing connections
- ▶ Green LED indicates normal operation
- ▶ Steady Red LED indicates connection fault
- ▶ Flashing Red LED indicates missing connection
- ▶ Live, Neutral and Earth connections
- ▶ Convenient snap-in design
- ▶ Fast-on terminals
- ▶ Panel cut out: 30.0 x 11.0



230V 50Hz, 115Vac 60Hz available.
Less than 1 watt (power consumption)

UL Recognised. File no. E311309



CE Mark



FCC compliant



RoHS compliant

C 1431 A L - - -

TERMINAL FUNCTION SOFTLINE LENS BODY VOLTAGE, COLOUR

▶ TERMINAL	▶ BODY & DIMENSIONS	▶ SPECIFICATION
<p>C</p> <p>6.3 x 0.8</p> <p>H</p> <p>4.8 x 0.8</p> <p>T</p> <p>0.21 Solder</p> <p>X</p> <p>4.0 PCB 0.8Sq</p>	<p>L Panel Cut-Out</p> <p>30.0 30.1 11.0/11.1</p> <p>Bezel</p> <p>R1.0 32.0 14.0</p> <p>Dimensions</p> <p>2.0 25.3 Max</p>	<p>Dimensions</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>Panel thickness</p> <p>0.75mm to 2.5mm</p> <p>Body</p> <p>Nylon 6.6, matt finish, black colour is standard</p> <p>Lens</p> <p>Clear Polycarbonate, Softline matt finish</p> <p>Terminals</p> <p>Copper alloy, Silver plated</p> <p>Flame retardancy</p> <p>UL94V0</p> <p>RoHS compliant</p> <p>Yes</p> <p>Operating supply</p> <p>230V ±20% 50Hz, 115V 60Hz available</p> <p>Power consumption</p> <p>Less than 1 Watt</p> <p>Operating conditions (body)</p> <p>-20°C to +70°C (-4°F to 158°F) 0 to 95% RH (non-condensing)</p> <p>Electromagnetic Compatibility</p> <p>Compliant with directives 89/336/EEC & 92/31/EEC</p> <p>EMC Immunity</p> <p>EN 55014-2:1997 Household appliances EN 61000-6-2:2005 Industrial Environments, 10 V/m EN 61000-4-2:1995 Electrostatic Discharges (ESD) EN 61000-4-3:2002 RF Electromagnetic fields EN 61000-4-4:2004 Fast Transients & Bursts EN 61000-4-5:1995 Surges EN 61000-4-6:1996 Conducted disturbances EN 61000-4-11:2004 Voltage dips & interruptions</p> <p>EMC Emissions</p> <p>EN 55014-1:2001 Household appliances EN 55022 Class B:1998 Domestic environments</p> <p>Approvals</p> <p>UL Recognised FCC Compliant CE Mark</p> <p>Standards</p> <p>UL 508 CSA C22.2 No. 14-05</p>

All dimensions in millimetres (mm)

APPLICATIONS

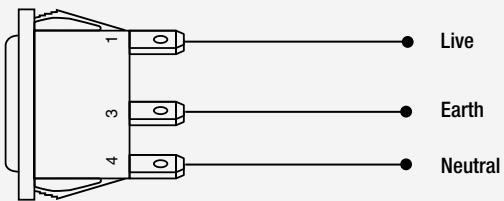
- ▶ Portable appliances
- ▶ Site equipment
- ▶ Power tools
- ▶ Commercial kitchens
- ▶ Stainless steel appliances
- ▶ Audio equipment
- ▶ Consumer units
- ▶ Extension cables/reels
- ▶ Garden equipment

INDICATIONS

The smart indicator can detect and display the following fault conditions:

Terminal 1	Terminal 2	Terminal 3	Fault	LED Indication
L	N	E	Normal	Green
N	L	E	L/N Swapped	Red
E	N	L	L/E Swapped	Red
E	L	N	Wrong sequence	Red
N	E	L	Wrong sequence	Red
L	-	E	Neutral missing	Flashing Red
L	N	-	Earth missing	Flashing Red

CONNECTIONS



PART NUMBER

1431AL

Specify Terminal Type: C, H, T, X
 Specify Model Code: 1431AL
 Specify Supply Voltage: 115Vac, 230Vac
 Specify LED Colour: Green/Red, Blue/Red