

Single phase mains supply checker 1430 Smart indicator series



- ▶ Monitors appliance and mains supply
- ▶ Internal microcontroller and power supply
- ▶ Flexible configuration & functionality in firmware
- ▶ Built using Surface Mount Technology
- ▶ 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, fits standard panel cut-out
- ▶ Panel cut-out: 30.0x11.0mm



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

UL Recognised. File no. E311309



CE Mark



FCC compliant



RoHS compliant



▶ TERMINAL	▶ BODY & DIMENSIONS	▶ SPECIFICATION
C 6.3 x 0.8 H 4.8 x 0.8 T Ø2.1 Solder X 4.0 PCB 0.8Sq	L Panel Cut-Out 30.0 11.0/11.1 Bezel R1.0 32.0 14.0 Dimensions 2.0 25.3 Max	Dimensions Bezel 32.0mm x 14.0mm Panel cut-out 11.0/11.1mm x 30.0/30.1mm 0.75mm to 2.5mm Panel thickness 0.75mm to 2.5mm Body Lens Terminals Flame retardancy RoHS compliant Nylon 6.6, matt finish, black colour is standard Clear Polycarbonate, Softline matt finish Copper alloy, Silver plated UL94V0 Yes Operating supply Power consumption 230V ±20% 50Hz, 115V 60Hz Less than 1 Watt Operating conditions (body) -20°C to +70°C (-4°F to 158°F) 0 to 95% RH (non-condensing) Electromagnetic Compatibility Compliant with directives 89/336/EEC & 92/31/EEC EMC Immunity 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 EMC Emissions EN 55014-1:2001 Household appliances EN 55022 Class B:1998 Domestic environments Approvals UL Recognised FCC Compliant CE Mark Standards UL 508 CSA C22.2 No. 14-05

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



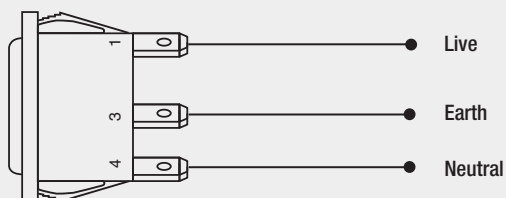
INDICATIONS

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

Terminal 1	Terminal 3	Terminal 4	Fault	LED Indication
L	E	N	Normal	Green
N	E	L	L/N Swapped	Red
E	L	N	L/E Swapped	Red
E	N	L	Wrong sequence	Red
N	L	E	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