

Single phase mains supply checker



- 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
- Bezel size 32mm x 14mm

230V \pm 20% 50Hz. 115Vac 60Hz available.
 Less than 1 watt (power consumption)

UL Pending

CE Mark

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
30.1
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

Nylon 6.6, matt finish, black colour is standard

Lens

Clear Polycarbonate, Softline matt finish

Terminals

Copper alloy, Silver plated

Flame retardancy

UL94V2

RoHS compliant

Yes

Operating supply

230V \pm 20% 50Hz. 115V 60Hz available

Power consumption

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 Pending
 CE Mark



APPLICATIONS

Portable appliances

Site equipment

Power tools

Commercial kitchens

Stainless steel appliances

Audio equipment

Consumer units

Extension cables/reels

Garden equipment



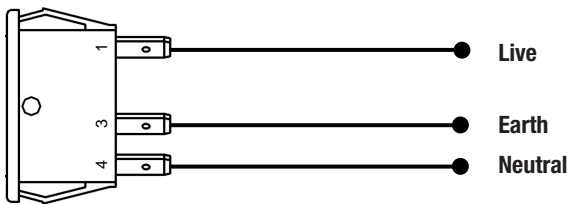
INDICATIONS

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: Red/Green, Red/Blue