

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

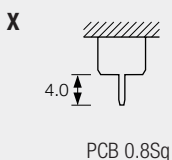
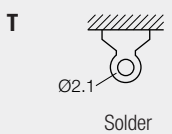
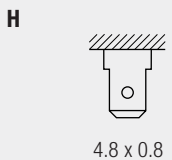
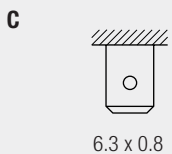
C 1431 A L - - -

TERMINAL FUNCTION SOFTLINE LENS BODY VOLTAGE, COLOUR

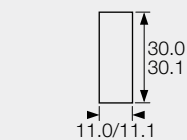
▶ TERMINAL

▶ BODY & DIMENSIONS

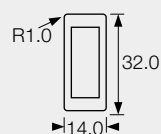
▶ SPECIFICATION



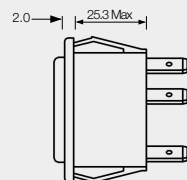
L Panel Cut-Out



Bezel



Dimensions



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

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
UL94V2
Yes

Operating supply

Power consumption

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



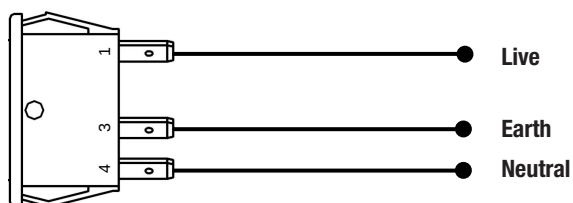
INDICATIONS

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