

Maintenance indicator



- ▶ Monitors appliance usage
- ▶ Preventative maintenance reminder
- ▶ Direct replacement for Neon indicator
- ▶ Counts time that mains power is applied
- ▶ Remembers accumulated time even if power is switched off
- ▶ Connecting 'reset' terminal to Neutral resets timer to zero
- ▶ Blue LED indicates normal operation
- ▶ Flashing Red LED indicates service action is required
- ▶ Convenient snap-in design
- ▶ Fast-on terminals
- ▶ Bezel size 32 x 14mm

230V $\pm 20\%$ 50Hz. 115Vac, 24Vdc & 12Vdc available.
Less than 1 watt (power consumption)

UL Pending



CE Mark

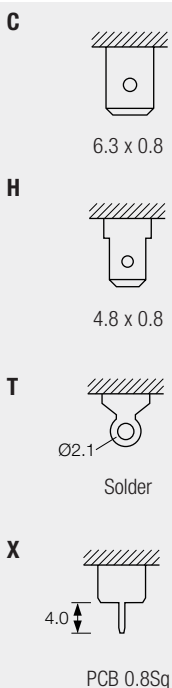


RoHS compliant

C 1432 A L - - -

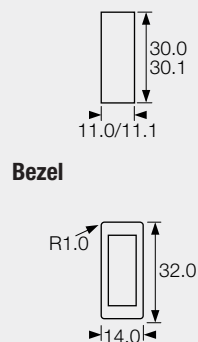
 TERMINAL FUNCTION SOFTLINE LENS BODY VOLTAGE, COLOUR, TIME

▶ TERMINAL

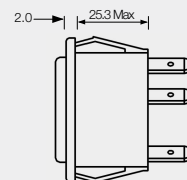


▶ BODY & DIMENSIONS

L Panel Cut-Out



Dimensions



Dimensions

Panel thickness

Bezel 32.0mm x 14.0mm
Panel cut-out 11.0/11.1mm x 30.0/30.1mm
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
UL94V2
Yes

Operating supply

Power consumption

230V $\pm 20\%$ 50Hz. 115Vac, 24Vdc & 12Vdc 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

Timing period

Timing accuracy

Any period from 1 minute to greater than 10 years
2% of scale

Approvals

UL Pending
CE Mark



APPLICATIONS

- ▶ Coffee machines – decalcification
- ▶ Deep fat fryer – oil change
- ▶ Air conditioning – filter change, bleaching
- ▶ Vacuum cleaner – filter cleaning
- ▶ Motorised equipment – preventative maintenance, lubrication, belt change
- ▶ Petrol/Diesel engine generator – engine service
- ▶ Central heating – gas appliance inspection
- ▶ Inspection/cleaning interval reminder – washrooms, kitchens
- ▶ Equipment calibration interval reminder
- ▶ Electrical safety check interval reminder



OPERATION

The smart indicator operates like a standard neon indicator, giving visible status indication for the appliance or application. Normal operation will show continuous Blue LED illumination (contact factory for other colours).

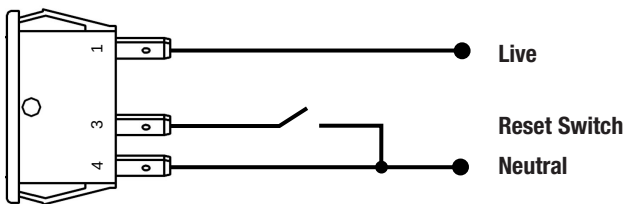
When the accrued usage time exceeds the factory-set time limit, the LED illumination changes colour to Red (contact factory for other colours) and starts to flash on/off to attract user attention. The indicator will continue to flash on subsequent appliance use, until the maintenance operation is carried out and the reset procedure followed.

To reset the indicator after maintenance operations are completed, simply link terminal 2 to terminal 3 while the indicator is powered. This could be a key-operated switch or a service button within the appliance.

The service interval time is factory programmed, and can be any time period from as little as one minute, up to tens of years.



CONNECTIONS



PART NUMBER

1432AL

Specify Terminal Type:	C, H, T, X
Specify Model Code:	1432AL
Specify Supply Voltage:	115Vac, 230Vac, 24Vdc, 12Vdc
Specify LED Colour:	Red/Green, Red/Blue
Specify Time Setting:	Time interval between 1 minute and 10 years. Specify the required time in minutes, hours, days, weeks or months.