

**MIDLANDJAY**

**THE POWER TO PROTECT**

**tectrite**

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## Supply Monitoring Relay CLA1507 - Current Level Relay

The CLA1507 is a current level relay intended for monitoring either single or balanced 3 phase ac loads for an under-current condition.

The unit incorporates an adjustable trip delay timer providing the option to ride through a short term current dip of up to 10 seconds duration.

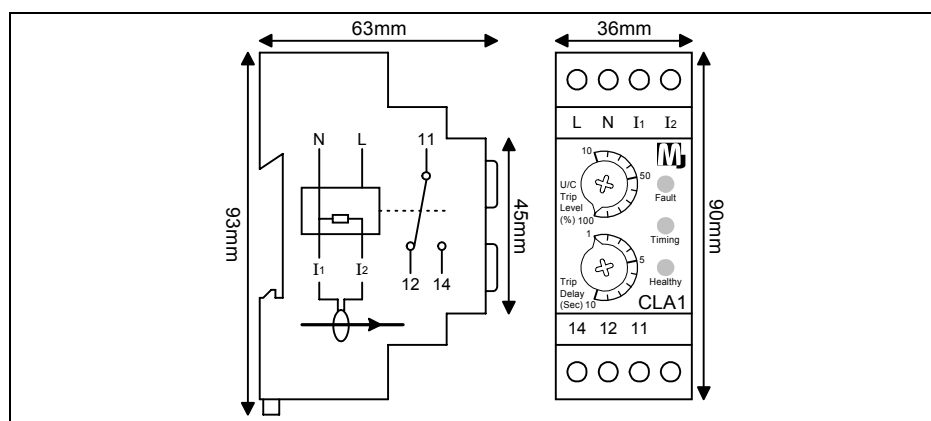
A calibrated control allows accurate setting of the under-current trip level through the range 10-100% of the relays nominal current rating.

Isolation of the monitored current is provided by an external current transformer type CT1010. The C.T. is supplied with the relay and must be connected to terminals I1 & I2. The current carrying conductor is then passed through the C.T. No other connection is to be made to I1 or I2.

Providing the monitored current level is above the set under-current trip level the output relay will energise and the green 'Healthy' LED will illuminate. If the current falls below the set trip level the unit will start timing. This will be indicated by the yellow 'Timing' LED. If the current does not recover before the set time period has elapsed the output relay will release and the red 'Fault' LED will illuminate. The unit will reset automatically when the current level returns to normal.

Control supply to the unit should be via a 1 or 2 amp H.R.C. fuse or M.C.B.

<b>Control supply:</b>	24Vac 50/60Hz
<b>Current rating:</b>	20 amps AC (nominal)
<b>Overload rating:</b>	50 amps continuous 100 amps for 30 seconds 160 amps for 5 seconds
<b>U/C trip level:</b>	Adjustable 10% to 100% of rated current
<b>Reset level:</b>	Trip level +5%
<b>Trip delay time:</b>	1-10 seconds (adjustable)
<b>Relay contacts:</b>	Single-pole changeover
<b>Contact rating:</b>	250Vac 3A (cos $\phi$ = 1) 250Vac 1A (cos $\phi$ = 0.4)
<b>Isolation voltage:</b>	2kV ac for 1 minute
<b>Power consumption:</b>	1 watt (1VA)
<b>Temperature range:</b>	-10°C to 50°C
<b>Construction:</b>	Din rail mounted housing to IP20
<b>Current transformer:</b>	Type CT1010 (supplied with the relay)
<b>Weight:</b>	Relay: 100 grams, CT: 70 grams



# DATA SHEET

CLA1507/04/10