

Jenal Communications

Model CT-1

Battery Cut Off Timer

(Software Version 1.00)

(PCB Version 1.00)

Connections

Connect the **Red** wire to the battery positive terminal via a 1 Amp fuse.

Connect the **Black** wire to the battery negative terminal.

Connect the **Yellow** (control) wire to the ignition switch main or accessory contact as required.

The two **Orange** wires are the uncommitted relay contact connections. Use these to switch the circuit you want to control (eg. positive supply to a mobile radio). Put mating connectors on these wires then the unit can be by-passed if necessary.

Cut out timer

The cut out timer opens the relay contacts at a preset time after the control input is removed from the unit. To calculate the cut out time period add together the cut out timer link numbers and multiply by the basic time units as set by links A and B (See inside lid of unit for settings).

Low voltage detector

Insert **LVD** link to enable the low voltage detector.

Cut in timer

The cut in timer determines how long after a low voltage returns to normal the relay contacts will close (providing the control input is still present). To calculate the cut in timer period add together the cut in timer link numbers to get the time in seconds.

Programming mode

Contact Jenal Communications for details of how to programme the unit to your voltage requirements.

LED indications

The LED on the front panel (see label) gives a visual indication of the operational state of the unit as follows:

Steady RED - Power ON, Relay OFF (standby).

Steady GREEN - Power ON, Relay ON, Control input ON.

Flashing GREEN - Power ON, Relay ON, Control input OFF, Cut off timer active.

Flashing RED - Power ON, Relay OFF, Low voltage detected.

Flashing RED/GREEN - Power ON, Relay OFF, Cut in timer active.

Steady ORANGE - Programming mode. Allows the field programming of the low and high voltage detection points.

SPECIFICATIONS

Supply voltage	Nominally 13.8volts DC, ~250mA max (output relay on), ~20mA idle
Connections	RED Power GREEN Ground YELLOW Control (eg. Ignition switch) ORANGE Relay contact in, Relay contact out
Timer period	0 minute to 4 Hours 15 minutes in 1 minute steps 0 minutes to 21 Hours 15 minutes in 5 minute steps 0 minutes to 42 Hours 30 minutes in 10 minute steps 0 minutes to 63 Hours 45 minutes in 15 minute steps
Cut-out voltage	Nominally 11.5 volts - preprogrammed to your requirements or field programmable (contact Jenal)
Cut-in voltage	Nominally 12.5 volts - preprogrammed to your requirements or field programmable (contact Jenal)
Cut-in timer	0 to 155 seconds in 5 second steps

Specifications subject to change without notice

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