



# CT54-09

**Universal Voltage Dropper**  
*for use with start/stop vehicles*



## PRODUCT FEATURES

The CT54-09 is a plug and play voltage stabiliser that is a perfect combination for those looking to install an aftermarket head unit/accessory into any vehicle with “start/stop” technology. The CT54-09 can regulate a constant feed of 7 to 12 volts whilst the vehicle idles in its ‘start/stop’ state. In addition, the unit also features reverse polarity, short circuit and thermal protection.

## PRIOR TO INSTALLATION

Read the manual prior to installation. Technical knowledge is necessary for installation. Please ensure you use the correct tools to avoid damage to the vehicle or product.

***Connects2 can not be held responsible for the installation of this product.***

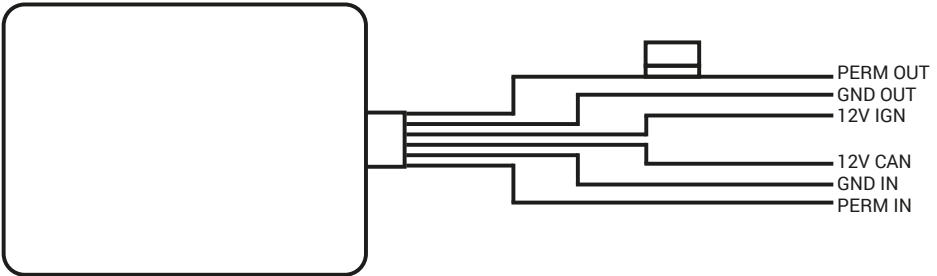
### DISCLAIMER

*The information provided in this document is subject to change without notice due to manufacturer changes and/or improvements to the product/s. This instruction manual is based on documented data and research. The manufacturer of this product cannot be held responsible for any changes made to the vehicle by the manufacturer or damages that may occur through the installation of this product in accordance with the steps outlined herein.*

# PRODUCT SPECIFICATIONS

	Min	Max
Operating Input Voltage Range	7V	12V
Operating Output Voltage	12V*	
Permanent Out Current	5A continuous	Up to 10A (6 Secs)
Key Out Current	100mA	
Standby Consumption	Under 5mA	
Key In Consumption	Under 1mA	
Max Output Power	120W	
Efficiency	-	90%
Overcurrent/Polarity Reverse/Short Protection	Yes (Inline Fuse)	
Operating Temperature	-40°C ~ +85°C	

*\*circuit only operates in a range of input voltage going from 7V to 12V. Outside of this range, the circuit will stop operating and the output voltage works to follow the input voltage with a difference of -0.6V. The 12V IGN out (key out) signal is conditioned by the status of the 12V IGN in (key in) and by the operating state of the regulator.*



### Wiring on CT54-09 harness:

- Permanent Out - Yellow
- Permanent In - Yellow (with inline fuse attached)
- Ground In - Black
- Ground Out - Black
- 12V Ignition Out - Red
- 12V Ignition In - Blue