

The LV1405 and LV1406 are a new generation of brake controllers utilising microprocessor based technology. It is a compact, rugged, all electronic brake controller and is easily installed with the connection of four wires and the mounting bracket supplied. Easily adjustable via the remote control which can be located up to 1m from the controller. Both models also incorporate an over-ride function for manual control. Designed for both single and dual axle trailers using negative earth (ground) systems only. Available in 12V & the new 24V version eliminating the need for a separate reducer on 24V systems.

Features :

- LED remote indication for brake connected and brake on.
- Easy adjustment via knob rotation in remote
- Convenient Over-Ride via knob push in remote
- Small dashboard mounted remote with 1m cable
- 2 Axle 12A Output Capability
- Top Or bottom Mounting Via The Multi Position Bracket
- Can Be Mounted On Any Angle

Product comes with:

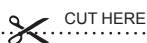
- 1x Retaining Nut (On Unit)
- 1x Washer (On Unit)
- 1x LED Plastic Cover
- 1x Control Knob
- 1x Product Sticker
- 2x Mounting Screws

Specifications	LV1405	LV1406
Minimum Input Voltage	9 VDC	18 VDC
Nominal Input Voltage	12 VDC	24 VDC
Maximum Input Voltage	15 VDC	30 VDC
Output Voltage	12V	12V
Suitable For 12V Trailer Brakes	Yes	Yes
No Current Load	30 mA	
Maximum Load	2 Axel / 12A Avg	
Dimensions	40mm x 79mm x 81mm	
Weight	200gm	

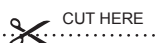
Note : The LV1406 is load activated and can not be tested without load. At no load, output reading of 24V will register. Please note that the output voltage is PULSED, so it cannot be measured with a volt meter or test light.

Installation:

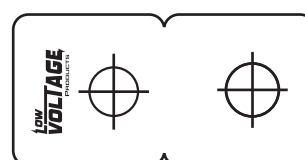
1. Disconnect the vehicle's NEGATIVE battery terminal.
2. Determine a suitable mounting location. The unit must be mounted securely to a solid surface.
3. Hold the mounting bracket in the selected position and mark the hole location through the holes in the bracket.
4. Using a suitable drill bit, drill holes in the marked locations.
5. Secure bracket in position with self tapping screws being careful not to strip the holes by over-tightening.
6. Mount the brake control unit in the bracket by snapping into position.
7. Drill two holes in mounting panel to the sticker template and insert control knob and LED through holes.
8. Fix locking nut over shaft of control and tighten. Insert supplied LED lens over LED.
9. Connect brake wiring as per wiring instructions and test unit.



CUT HERE



CUT HERE

DRILLING TEMPLATE FOR DASHBOARD MOUNTING*Image of Product Sticker***Drilling Hole Sizes**

Left Circle (LED) = 6.4 mm

Right Circle (Control Knob) = 7.3 mm



WIRING INSTRUCTIONS	
White Wire	0V DC
Blue Wire	Brake 15A Fuse*
Black Wire	+VDC
Red Wire	Brake Switch



* Please Note: An External Fuse Must Be Fitted (Not Supplied).

* The Control Unit is Activated by A Positive Feed Brake Switch Only.

(Please check the polarity of your vehicles brake switch before connection)

Wiring: Please ensure that a fuse is fitted in the Blue Wire (Brake).

The Brake Controller has four (4) coloured wires, black, red, blue and white. The black wire is the positive voltage power supply line. The red brake wire powers up the electronic circuit of the unit and must be connected to the cold side of the brake light switch. The blue brake wire must be connected directly to the trailer brake wire. The white ground wire is connected to a grounded metal part of the dash, vehicle fire wall or directly to the negative battery terminal.

Important: A brake control unit that is not properly grounded may operate intermittently or not at all.

- Make sure all connections are secure.
- Do not connect the Black "BATTERY" wire to the fuse panel or tie into any accessory wiring.
Connecting to the existing wiring may damage the vehicles wiring and cause trailer brake failure.
- Do not reverse Black "BATTERY" wire and White "GROUND" connections.
Even a momentary incorrect connection can damage the brake control unit.

Set-up & Operation :

Setting the braking force:

To set the brake intensity simply rotate the knob until the required braking level is achieved. A clockwise knob rotation will increase the braking and a counterclockwise will decrease it.

Setting the Ramp-up Feature:

To activate the Over-Ride function simply push on the adjustment knob, releasing the knob disables the function. The braking force when the Over-Ride is active is still determined by the knob position.

LED INDICATION	
LED OFF	Trailer brakes disconnected or no input power to the unit
LED ON	Trailer brakes connected
LED Flashing	Brakes on at the selected level, either via brake pedal or Over-Ride function

Warranty Conditions: The product is warranted to be free from defects in materials and workmanship under normal use and service for a period of 24 months from the date of sale. This warranty covers defective parts and workmanship provided that the product is shipped prepaid to the seller within 24 months of purchase of goods. This warranty is limited to the repair or replacement (at the manufacturers' discretion) of parts and shipping prepaid to the original despatch destination. We regret that no liability can be accepted for consequential or special damages of any kind howsoever arising in connection with products supplied by the seller. This warranty is in lieu of all other warranties expressed or implied. No representative is authorised to assume for the seller any other liability in connection with the seller's products.