

RETRONICS INDICATOR-BRAKE-HAZARD LIGHT MODULE RDB10 FOR NEGATIVE EARTH VEHICLES

Thank you for purchasing the Retronics RDB10 - the ultimate discreet indicator-brake light & hazard light installation / upgrade for classic vehicles & kit cars. Your product comes with a three year back to base guarantee from your date of purchase. Please retain your receipt. This does not affect your statutory rights.

Once installed, the RDB10 will operate the vehicle's indicators & hazard lights with consistent & reliable accuracy.

The brake lights can be connected to act as rear indicators, without negating the brake light function.

Being fully electronic, the flash rate is not affected by changes in resistance / lamp failure. In the event of a bulb failure, the remaining bulbs will continue to flash at the correct rate. The RDB10 is suitable for use with traditional bulbs & LEDs. (LEDs will require suitable resistors).

When your indicator switch is operated, the relevant indicators and the dashboard "Tell Light" will flash.

When the hazard light pull switch is engaged, the RDB10 will repeatedly supply power to all indicators & the dashboard indicator "Tell Light". The red lamp in the knob will also illuminate.

Please study the following instructions, & accompanying diagram, carefully before installation. The RDB10 is simple to install but if you are in any doubt as to your ability to do so, please consult a qualified technician. Feel free to email us with any questions.

NOTES:

*Disconnect the battery before installation.

**If your vehicle has a 6V electrical system, you will need our Voltage Converter (RVCU) as the circuit board in the RDB10 requires 12V to operate.

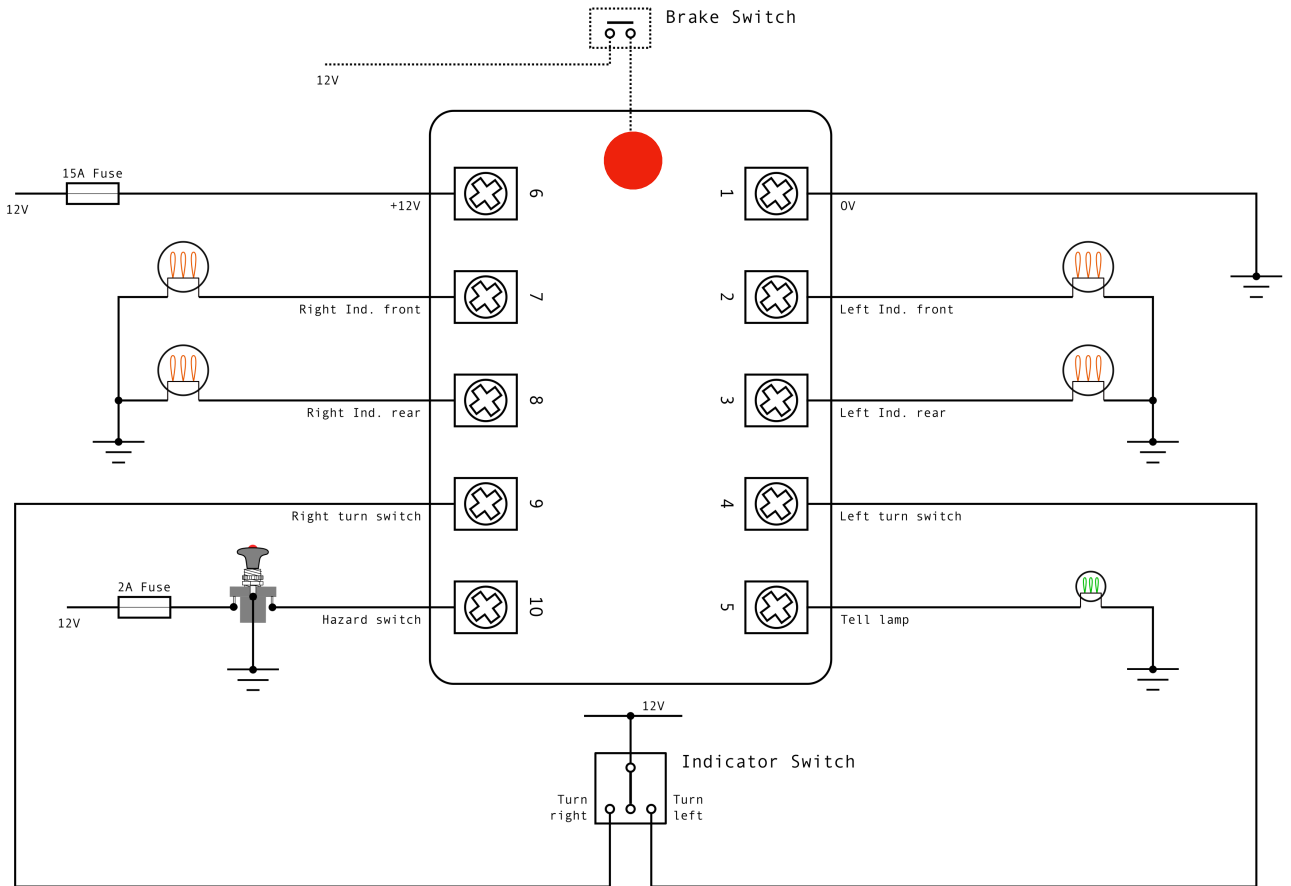
***The RDB10 has built in suppression. However (just like using a modern radio, etc.) the extreme amount of RFI caused by using unsuppressed HT leads may cause issues - the indicators may flash rapidly whilst the engine is running. In this case, additional suppression will be required.

INSTALLATION INSTRUCTIONS:

The Installation Diagram can be found on Page 2.

- 1/ Connect the Module's terminal 1 to 0V (ie: ground/earth).
- 2/ Connect terminal 6 to +12V, via a 15A fuse.
- 3/ Connect terminals 7 & 8 to the right front & rear indicators respectively.
- 4/ Connect terminals 2 & 3 to the left front & rear indicators respectively.
- 5/ Connect terminal 4 to your indicator switch left turn feed.
- 6/ Next connect terminal 9 to your indicator switch right turn feed.
- 7/ Terminal 5 can be connected to the vehicle dashboard Tell Light.
*Alternatively, if your vehicle has separate left & right Tell Lights, you can connect these to terminals 2 & 7 respectively.
- 8/ Terminal 10 connects the hazard light pull switch to +12V, via a 2A fuse.
- 9/ Connect the red terminal to the brake light switch. This will enable the brake lights to also act as rear indicators.
- 10/ Mount the control knob to the dashboard, in a position & manner of your choice.
If the mounting point is not ground (earth) - for example is wood - connect the switch's side contact to ground (earth) for the switch's lamp to work.
*Take the switch apart in order to mount it by holding the body & gently turning the knob 1/4 turn anti clockwise.
**You may opt to use an alternative hazard light switch of your choice.
- 11/ Locate the RDB10 behind the dashboard, or a similarly convenient location.

**RDB10 FOR NEGATIVE EARTH VEHICLES
INSTALLATION DIAGRAM:**



Retronics Ltd, The Generator Hub, Kings Wharf, The Quay, Exeter, Devon, EX2 4AN.
Registered in England, registration number: 12280789

This product is not recyclable. Please check with your local authority for suitable end of product life disposal.

DISCLAIMER: This product is GPSR, UKCA, UKNI, CE & RoHS compliant. The RDB10 is a generic after market product designed to be compatible with the standard wiring systems of most classic vehicles. Retronics Ltd can not guarantee compatibility with all vehicles. It is for the purchaser to satisfy themselves as to the suitability of the RDB10 for their vehicle. Retronics Ltd will not be liable for any loss or damage arising from unsuitable or incorrect installations.