

TWO YEAR WARRANTY

REDARC Electronics warrants to the original purchaser that the product(s) on the reverse side of this sheet ("Product") will be free, under normal use and maintenance, from defects in material and workmanship for a period of TWO YEARS from the date of purchase, subject to the conditions shown below.

1. Warranty

Unless otherwise stated in this warranty, Redarc Electronics will at its sole discretion either replace or repair any of the Product that is defective in material or workmanship within the abovementioned period without charge to the original purchaser.

2. Other Warranty

Subject to any terms implied by law, this warranty contains the whole of the Redarc Electronics' obligations and any distributor and the agents, officers and employees of such distributor and of Redarc Electronics are not authorised to vary or extend the terms of the warranty. The benefits conferred by this warranty are in addition to the conditions and warranties implied by applicable legislation conferring rights upon consumers, which apply only to the extent to which they may not by law be excluded.

3. Exclusions

This warranty shall not apply to, or include, any of the following:

- 3.1 Any defect or failure due to accident, misuse, abuse, movement of the Product to a new site, negligence, non-observance of any of the instructions supplied with the Product including the instructions on the reverse side of this sheet ("Operating Instructions") or local regulations on the part of any user, choice of location, improper installation, configuration or connection, or faulty power supply.
- 3.2 If the Product is installed, repaired or serviced by a person who is not a qualified auto electrician or electronics technician, or if non-approved parts have been fitted.
- 3.3 Failure to obtain proper maintenance for the Product or any associated equipment or machinery.
- 3.4 Failure to pay for the products in full or comply with Redarc Electronics' Trading Terms.
- 3.5 If the Product is used other than for any reasonable purpose for which it was manufactured, or is used in a way not specified by Redarc Electronics.
- 3.6 If the original purchaser sells, leases or otherwise parts with possession of the Product.
- 3.7 Deterioration due to normal use and exposure, including abnormal environmental conditions such as lightning strike, flood and extreme heat.
- 3.8 Any freight, packing and insurance expenses relating to transportation of the Product.
- 3.9 Any expenses relating to installation and/or removal of the Product.
- 3.10 Any damage, indirect or incidental, of whatever nature.

4. Limitations

4.1 Redarc Electronics is not liable for any consequential, indirect or accidental loss or damage or for any service not expressly provided herein (including without limitation liability for any loss or damage caused by a fault in the Product or its external wiring connections) and the liability of Redarc Electronics under this warranty is limited to the repair or replacement of defective material or workmanship by a qualified auto electrician or electronics technician, provided such person and work is approved by Redarc prior to commencement. Subject to **clause 2**, Redarc Electronics is hereby excluded to the maximum extent permitted by law from all other liability in respect of the Product.

4.2 While Redarc Electronics warrants, where applicable, that the Product is free from defects in materials and workmanship under normal use at the time of delivery, Redarc Electronics does not warrant that the Product will meet any user specific requirements or that the operation of the Product will be uninterrupted or error-free.

5. Owner's Responsibilities

- 5.1 Maintenance of the Product and associated equipment and/or machinery is the responsibility of the owner. The owner must retain evidence that proper maintenance has been performed on the Product by Redarc Electronics or a qualified auto electrician or electronics technician. Claims made during the warranty term will not be accepted if resulting from lack of maintenance rather than faulty material or workmanship.
- 5.2 The owner must operate the Product in accordance with all of the Operating Instructions.
- 5.3 Upon discovery of a fault the owner must return the Product to the distributor with full details of the nature of the fault. Removal of the Product must be done by a qualified auto electrician or electronics technician to ensure that the warranty remains valid. A written report describing the circumstances of failure must accompany the returned Product with proof of purchase which clearly shows the date of such purchase by the original purchaser.
- 5.4 If the Product is found to be working satisfactorily on return to Redarc Electronics a reasonable charge will be made for the cost of testing, packing and freight. The Product will be returned on receipt of the amount charged.

FREE TECHNICAL ASSISTANCE



THE POWER CONVERSION SPECIALISTS
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Certified
Environmental
Management
CEM 20649
ISO 14001:2004
SAI Global



Quality
Endorsed
Company
QEC 5375
ISO 9001:2000
SAI Global

TD Series Turbo Delay Timers.



FUNCTION

The 'TD' range of Turbo Delays have been designed or can be adapted to suit all applications. The Turbo Delays keep the engine idling for a time period after the ignition is switched off. This maintains the oil pressure to the turbo unit for lubrication and cooling as it winds down after running.

DESCRIPTION

TD Series (TD12 & TD24)

TD-12 and **TD-24** timers are designed for hidden mounting. The override and time select switches are mounted on flying leads to mount on the dash. They can be fitted into a small space and are not bulky or obtrusive, allowing for a professional looking finish in a confined dash space.

TDD Series (TD12D & TD24D)

The TDXXD range of Turbo Delays are designed for vehicles that use a power feed engine shutdown system. These vehicles power up a terminal on the ignition switch when turned off, to operate a solenoid, or motor driven fuel shut off.

TDM Series (TDM12 & TDM24)

The 'TDM' range of Turbo Delays install without cutting the ignition wiring

The **TDM** units are *deluxe timers* with extra features and are designed for mounting directly on or under the dash. These timers are fitted with an *audible warning device* that sounds during the time-down period. This warning helps avoid the dangerous and embarrassing situation that can occur when the vehicle is driven off without turning the ignition back on. The **TDM-12** and **TDM-24** units are connected to the vehicle **without cutting the vehicle wiring**.

FREE TECHNICAL ASSISTANCE, contact Redarc Electronics
Ph (08) 8322 4848, Fax (08) 8387 2889
or Email power@redarc.com.au
Specifications are subject to change without notification.

FITTING INSTRUCTIONS

TD & TDD Series

Cut the ignition wiring and wire in the Turbo Delay as shown. The override and time select switches are mounted on the dash via 7mm holes as shown above. The time select switch is mounted with its unused terminal upwards so that in the CITY position the shorter time is selected. The HWY (highway) position selects the longer time. The two switches are mounted 55mm apart with the decal centered between them.

TD Only

In the situation where two power feeds come from the ignition switch (i.e. Mazda 323 / Ford laser) or if the cooling fans are fed from the accessory feed, a slave relay is required. It is wired as shown below.

TDD Only

When the ignition is turned to the OFF position, the Turbo Delay begins its timing procedure. At the end of its time (see table), it will switch a feed to the SHUT DOWN circuit for a period of ~7 seconds, then turn off. During the ~7 seconds the shutdown circuit is activated and turns off the engine. The timer is reset when the ignition is turned on.

TDM Series

Wire in the Turbo Delay as shown. The override and time select switches are mounted on the dash via 7mm holes as shown above. The time select switch is mounted with its unused terminal upwards so that in the CITY position the shorter time is selected. The HWY (highway) position selects the longer time. The two switches are mounted 55mm apart with the decal centered between them. A warning alarm sounds during the delay period to alert the driver. This avoids the dangerous situation where the vehicle could be driven with the key off and have the steering lock up.

If the vehicle is switched back on before the delay has finished timing, it will continue to sound the alarm until the time period is finished. This can be disabled by pressing the override button.

