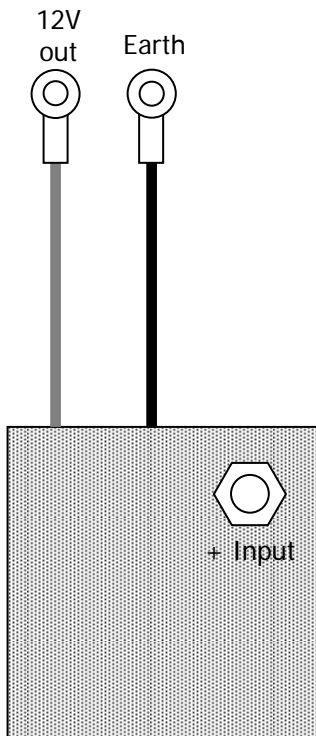




## Tachometer Regulator Modules – TAC01

1<sup>st</sup> June, 2006

### Overview

The TAC01 Tachometer Regulator Modules are designed to provide a stabilised 12V DC supply for the Tachometer system and other gauges mounted behind a dash-panel. The module is ideal for use in 12 or 24V systems, as it regulates the output to a constant 12V. This allows 12V gauges to be used in 24V applications. TAC01 is conveniently designed to be mounted directly on the rear of the Tachometer module.

### Specifications

|                              |  |
|------------------------------|--|
| Input Voltage Range:         | 9 - 35V DC   |
| Maximum Input Voltage:       | 45V DC (<1min, 400mA load)   |
| Nominal Output Voltage:      | 12.0V @ 26V input, 400mA load  |
| Nominal Output Current:      | 400mA  |
| Dropout Voltage:             | 600mV typ. at 400mA load   |
| Output Current Limit:        | 1.0A @ 26V input   |
| Max. Temperature Reached:    | 61°C @ 26V input, 400mA load, in still air                                   |
| Operating Temperature Range: | 0 - 40°C   |
| Quiescent Current:           | 20mA max @ 26V input   |
| Dimensions:                  | 43mm x 43mm x 20mm high (excl bolt protrusion)                               |
| + Input:                     | M4 x 18mm long   |
| Output Terminals:            | 5mm eyelet on approx. 70mm cable   |
| Enclosure:                   | Fully water and oil-tight ABS enclosure, sealed with epoxy potting compound. |

### Connections and Mounting

Connect the eyelet terminals of the TAC01 module directly to the power inputs of the tachometer. The power for the other gauges behind the dash panel should now be taken directly from the back of the tachometer. Connect the incoming positive (+) supply (12V or 24V ignition feed) to the 4mm bolt on the TAC01 module. Earth should be connected to the tachometer earth bolt (along with the TAC01 earth terminal).