

ATVC12/24 REV - Installation Instructions

AT series Tachometer Voltage Converter

yi6377
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catalogue section 20



Please read the following information before installing. A visual inspection of this product for damage during shipping is recommended before installation. It is your responsibility to ensure that qualified mechanical and electrical technicians install this product. If in doubt, please contact your local Murphy representative.

GENERAL INFORMATION



BEFORE BEGINNING INSTALLATION OF THIS MURPHY PRODUCT

- ✓ Disconnect all electrical power to the machine
- ✓ Make sure the machine cannot operate during installation
- ✓ Follow all safety warnings of the machine manufacturer
- ✓ Read and follow all installation instructions

Description

Murphy AT analogue tachometers and ATH tachometers are designed to operate from a 12 volt engine battery supply. The ATVC12/24 REV voltage converter kit allows use with 24 VDC systems.

Assembly

It is essential that the hardware supplied with the converter kit is properly assembled. WARNING – improper assembly may result in failure and damage to the tachometer instrument.

Clamp fixing

The tachometer is retained in the panel facia using a clamp that fits over the rear electrical terminals (as shown below).

Remove the 4 sets of terminal nuts and washers, remove the plastic clamp, then fit the tachometer through the front panel cut-out.

Behind the panel facia, refit the tachometer clamp, fixing nuts and washers. Retighten the nuts, ensuring that the tachometer is positioned correctly at the front.



Illumination bulb

Remove the 12v illumination bulb and replace with the 24v bulb supplied in the converter kit.

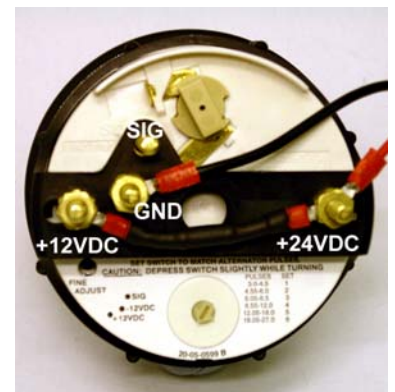
ATVC converter mounting

The latest version of the ATVC converter (part reference ATVC12/24 REV) includes a sleeved resistor with 2 ring terminals. (Note: Murphy USA and older UK versions of the ATVC 12/24 comprise a small add-on circuit board.)

Place the ATVC ring terminals on the tachometer left and right hand terminals as shown below (on top of the existing fixing nuts). Use a ring terminal to connect the +24V supply wiring to the right hand terminal shown. Secure the ATVC and +24V wiring using the 2 additional fixing nuts provided.

Use a ring terminal to connect the battery negative wiring to the GND terminal shown.

For connection of the SIG terminal and additional setup details, please refer to the AT series installation instructions, document 00-02-0258.



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