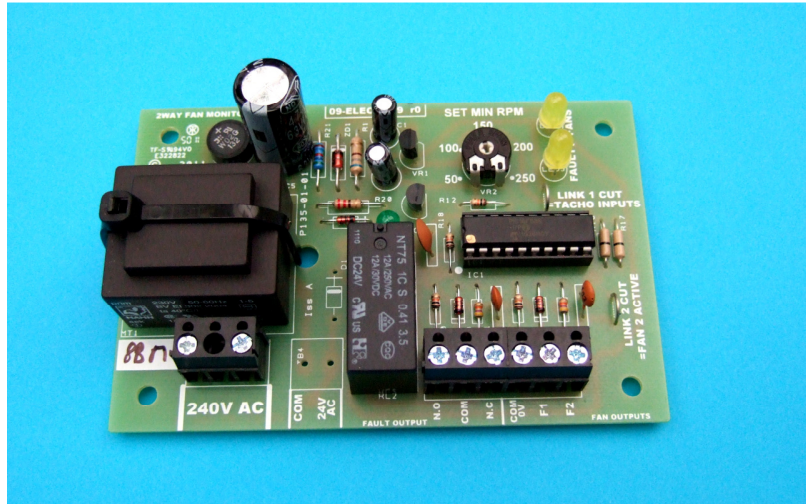# MACEY CONTROLS LTD

2 WAY FAN MONITORING MODULE

This module allows remote monitoring of one or two fans. It provides a set of voltage free relay change over contacts which operate if a fan fault is detected.

It can be used to monitor EC Fans with a tacho output or fan control units that have pulsing signal fault outputs that needs to be converted into a voltage free contacts.

Connection is via screw terminal blocks with three LED's giving indication of the status of the fan input/s and the relay output

Tacho mode

In this mode the tacho output of the fan/s are monitored if any fan drops below the minimum RPM for longer than 30 seconds the relay output switches into a fault condition. For the relay to switch back to a non fault condition the fan/s speed must go above the minimum RPM for longer than 30 seconds.
The minimum RPM can be adjusted between 50 and 250 RPM (common to both fans).

Fan Fault mode

This module has been designed to convert pulsing fault outputs of fan control units into a single steady state output. In this mode the input from the fan control unit is monitored. If the output of the control unit switches into a fault condition the relay output is switched into a fault mode. The relay will remain in a fault condition for a minimum of 4.5 seconds, this has the effect of eliminating the pulsing fault signal of the fan control fault output.

Technical Notes

The unit is designed for EC Fans / Fan control units that have a an open collector tacho / fault outputs.

The PCB has two links that can be cut to select :-
- Monitoring of one or two fans
- Fan signals Tacho or Fault signals   (Note both fans must be the same type.

The module is mains powered as standard but can be supplied to run off 24V AC

Size   PCB 70 x 107 x 30mm

If you require further information regarding prices availability special options we may be contacted as below.

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