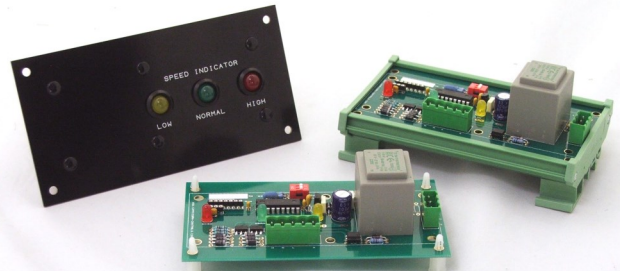




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PTO Frequency Monitor
Typically used with a Tractor driven AC Alternator

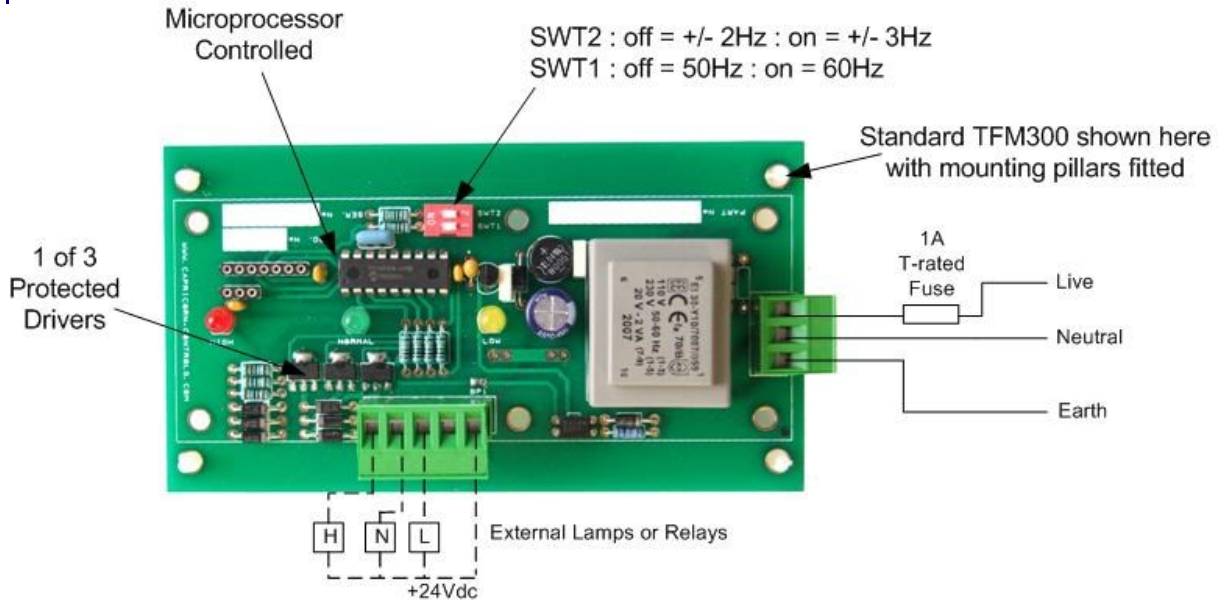
- ◆ Direct Replacement to another manufacturer
- ◆ 50 / 60Hz selectable
- ◆ Threshold range selectable
- ◆ Cased version for water and dust protection
- ◆ Industry standard 2-piece connectors
- ◆ Custom designs available to order



Overview

Typically used where the Power Take-Off (PTO) shaft of a Tractor is used to drive an AC Alternator to generate emergency power. Adjust the tractor throttle until the Green Lamp is lit for a frequency within the range selected. The Low or High lamp will indicate if the frequency is outside the selected range.
Note: only one Lamp is lit at a time.

Details & Connections



Basic Specifications

Low-side Output Drivers = 700mA max, 1.1A Current Limited and are suitable to drive an external Load via the on-board Dc supply to a maximum of 50mA at 24V. Note: only ONE output is active at a time.
Standard Calibration Standard calibration shown above, with other settings available to order
Maximum current available to the external Lamps or Relays is 20mA
Cable sizes = 2.5mmsq max and 0.75mmsq recommended. Use of 'boot-lace' ferrules is recommended

Ordering Information

TFM300-230 Standard Version
TFM300-R-230 as above in DIN-Rail carrier
TFM300-DS-230 replacement to another manufacturer
TFM100-DS-230-3m cased version of above where '-3m' denotes 3 metre cable and no connector fitted
Substitute -230 for -115 if 115VAC operation required
Other supply voltages are available to order.

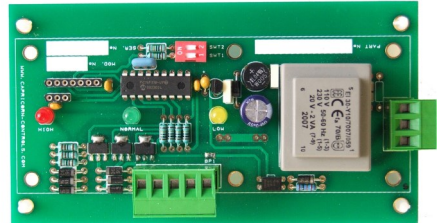


This Three band Frequency Monitor is available in four standard builds. Utilising the latest micro-processor technology they are factory calibrated with limited user adjustment. Two DIP Switches are provided to select nominal frequency and threshold ranges. The TFM300-DS replaces that of another manufacturer and is also available mounted into a water and dust resistant case (see TFM100-DS below) where cable lengths and connectors can be tailored to suit most applications. Please contact our Technical Support team for further advice.

Mechanical

Overall Dimensions : 132 x 73 x 54 deep
Fixing Centres : 122 x 58.5 x M4
Net Weight : 192g

TFM300



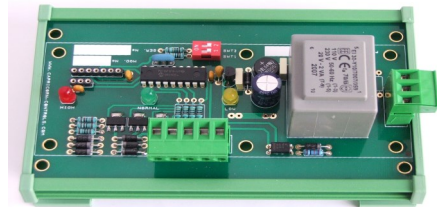
Environmental

Operating Temperature : - 20 to +55 Deg.C
Storage Temperature : - 40 to + 70 Deg.C

Electrical

Nominal Burden = 11mA at 230Vac
Supply Fuse = 1A

TFM300-R



Mechanical (R version)

Overall Dimensions : 135 x 88 x 57 deep
DIN Rail mounting
Net Weight : 270g

Mechanical

Overall Dimensions : 156 x 79 x 55 deep
Fixing Centres : 141 x 63.5 x M4.5
Net Weight : 235g

TFM300-DS
Front view



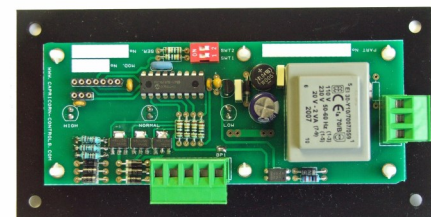
Electrical

Nominal Burden : 11 mA at 230VAC

TFM300-DS
Rear view

Environmental

Operating Temperature : - 20 to +55 Deg.C
Storage Temperature : - 40 to + 70 Deg.C



Mechanical

Overall Dimensions : 180 x 130 (excl. Gland & Cable) x 80 deep
Fixing Centres : 163 x 114 x M4
Net Weight : 980g

Environmental

Operating Temperature : - 20 to +55 Deg.C
Storage Temperature : - 40 to + 70 Deg.C

Electrical

Nominal Burden : 11 mA at 230VAC



TFM100-D