

FREQUENCY DOUBLER & SIGNAL CONDITIONER

P/no. 411.089 - Installation Instructions for 12vdc module



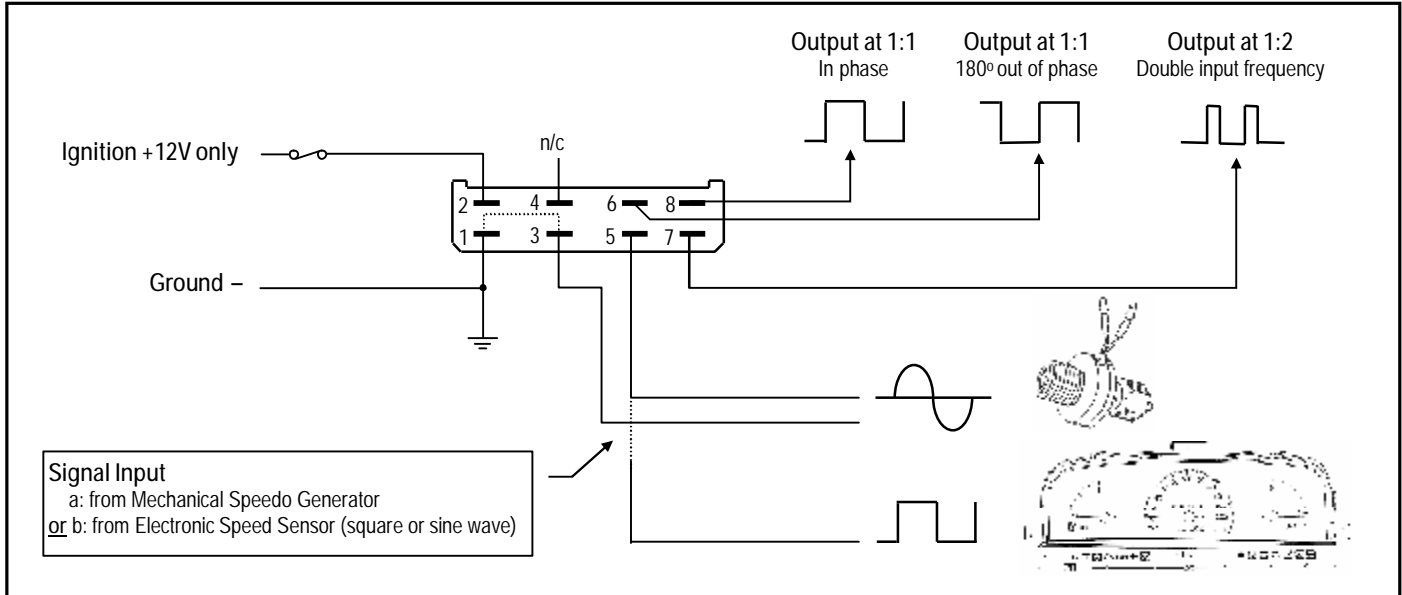
NOTE:

The signal source can be either *sine wave* from a signal Generator driven by a mechanical speedo cable or *square wave* off a Hall Effect/Proximity Sender in case of an electronic speedo.

PIN CONNECTIONS

1. Battery Negative
2. 12V Ignition Positive
3. Negative (Signal Ground for mechanical speedo)
4. Not Connected
5. Speed Signal Input (Hall Effect/Inductive speed sensor or AC generator)
6. Speed Signal Output (1:1 ratio, phase inverted from input)
7. Speed Signal Output (with double the input frequency)
8. Speed Signal Output (1:1 ratio, in phase with input)

WIRING DIAGRAM



SPECIFICATIONS

- Dimensions: 68 x 30 x 73mm deep, overall box dimensions.
- Mounting: Hole centres...83mm, mounted height...35mm, box with plug & wiring allow min 110mm.
- Voltage: 12 vdc negative ground.
- Range: 1:1 Ratio 5 – 10 kHz. Input Frequency = 5 – 10 kHz Square Wave Output Frequency.
1:2 Ratio 5 – 300 Hz Input Frequency = 10 – 600 Hz Square Wave Output Frequency.
For ranges other than 1:2 try 411.105, or enquire with your supplier.