



HOKKIM
Giving You Control

Control & Protection Relays

Model : TFQ-OS

Description : Gen-set Over Speed Sensing Relay

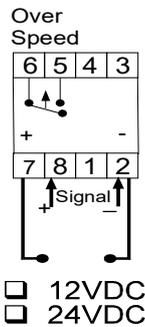
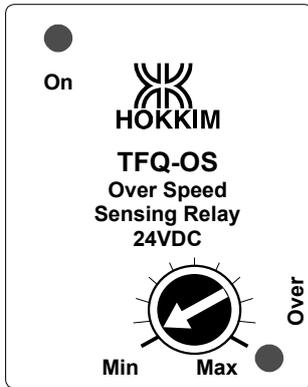
Utilization:

The TFQ-OS provide a user adjustable over speed trip levels with LED relay state indications. The normally open, trip contacts, closes when the gen-set speed exceed the set level.

A pulse sensing pick-up taken from the W phase of the charger alternator situated at the engine, produces a high frequency pulse train directly proportional to the speed of engine's rotation. The frequency of these pulses is converted to an analogue voltage which is used to provide signal to the trip circuitry.

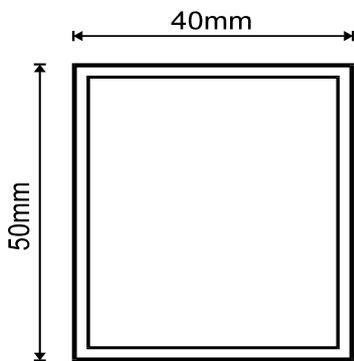
As the engine start, the speed rises to a level below the preset value. If there is a fault and the engine speed rises above the level, the TFQ-OS trips and the contact 5-6 closes.

When ordering, the voltage required (12VDC or 24VDC) must be specified.



Technical Data

- Supply Voltage : 24VDC 12VDC
- Approx. Over Range : 250Hz to 1.75KHz
- Consumption : 1VA
- Indication : Power - Green LED
Over Speed – Red LED
- Output Contacts : 5A 240V 50Hz AC1
Normal 5-6 Open
Over Speed 5-6 Close

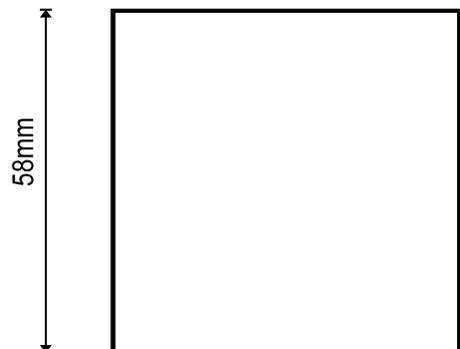


Dimensions

Top View



Front View



Side View