

Engine Protection Relay

POWER HOUSE™

Function:

It protects the engine from

- a) Over Speed,
- B) Low Oil Pressure,
- c) Low Fuel,
- d) Hi-Radiator Temperature.

It has an electronics protection system that gets input from various sensors of speed, oil pressure, fuel-level and radiator-temp. These inputs are constantly monitored and compared with their respective limiting values.

The moment, any one or more parameter crosses their limit, separate LED indicator glows, hooter actuates and a timer (30-60 Sec.) starts to stop the engine.

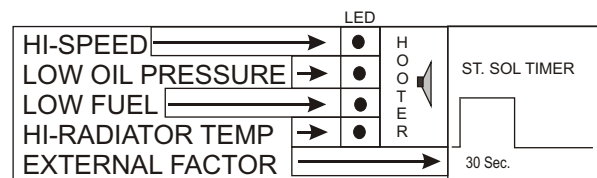


Application:

DG set Monitoring, Protection and Alarms.

Specifications:

- Aux. Supply : 12 V / 24 (DC)
- Sensors
 - Hi-Speed : Gen. Frequency (single phase out put from Alternator). Built in.
 - Low Oil Pressure : Pressure switch type (N/O)
 - Low Fuel : Float switch type(N/O)
 - Hi-Radiator Temp. : Bi-metalic Thermostat (N/O)
- Output
 - Hooter : 1 Change-over (Potential free)
 - Stop Solenoid : 1 Change-over (Potential free)
- Timer : for Stop Solenoid built in.
- LED Indication : 1)Aux. Supply,
: 2) Alt. Supply
: 3) Stop Solenoid
: 4) Engine Over Speed
: 5) Low Oil Pressure
: 6) Low Fuel level
: 7) Hi- Radiator Temperature
- Mounting : Flash
- Enclosure : ABS mould
- Dimensions : 96x96x130 mm
- Cut out : 92 x 92 mm
- Reset : Red Push switch - Accept
: Green Push switch - Reset
- Cascading : External Signal for Stop Solenoid timer



Connection Details

1	} INPUT	Battery +	12 V DC For model PERP1F
2		Battery -	24 V DC For model PERP2F
3	OUT PUT	Battery +	STOP SOLONIDE
4	} SIGNAL	Fuel sensor N/ O	
5			
6	OUT PUT	Battery +	H O O T E R
7	} SIGNAL	230 V AC from Alternator out put for over speed sense.	
8			
9	} SIGNAL	Temperature sensor N/ C	
10			
11	SIGNAL	Battery +	External Stop signal
12	SIGNAL	Low Oil Pressure from Pressure switch.	



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