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FM4

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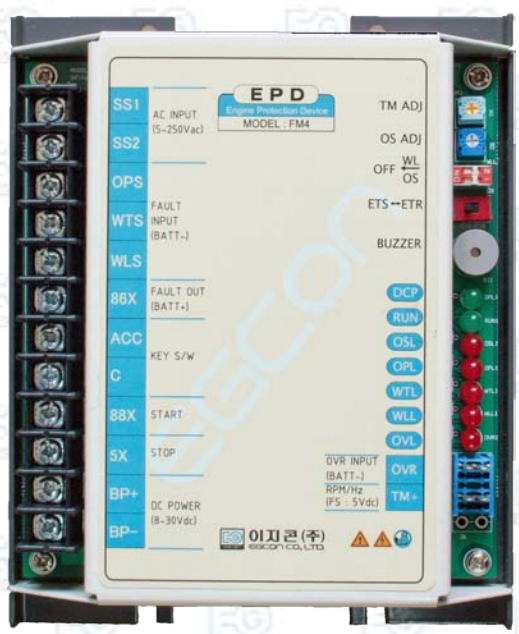
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Description

EPD-FM4 is an engine protection device that contains function of start motor protection, function of stop by low water level, over speed, low oil pressure, over temperature, emergency push button and over voltage relay to prevent engine from burnt down in advance.

Key Features

- Protects engine from over speed, low oil press., high water temperature and low water level.
- Low water level sensor and circuit design for anti corrosion
- Start motor protection
- Engine stops receiving over voltage or extra signal
- Speed Detection : low generator voltage can be detected.
- Outputs Hz/RPM meter



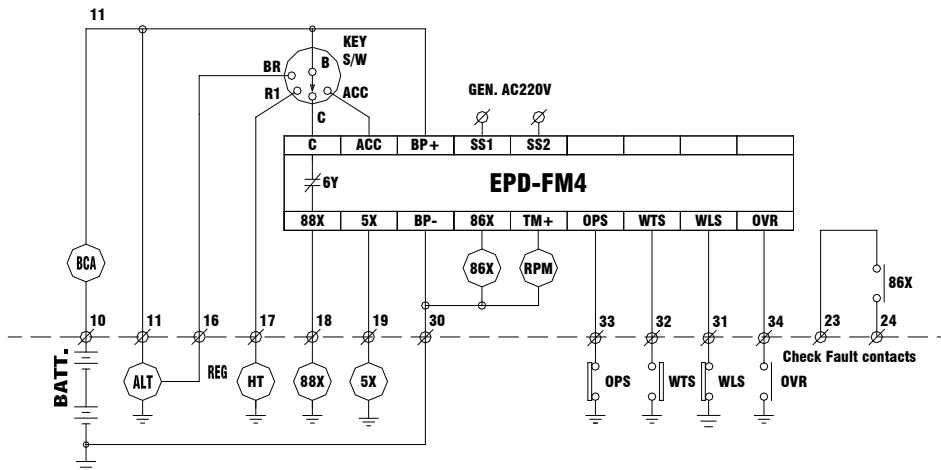
Mechanical Features

- Panel built-in
- Indicates LED lamp of protection
- Buzzer included
- Switch that excludes over speed and low water level from detecting items included
- Switch for selecting the way how to stop engine
- Anti vibration and anti humidity by silicone coating

Specifications

- Power Input : 8~35Vdc
- Capacity of Contact : Start motor protection and engine stop 20A_{dc}
- Contact Capacity of Fault Signal Output : 1A_{dc}
- Maintaining Time of Stop Contact Output : 16sec
- Speed Detection - Generator Volt. : 5~250Vac, 75Hz(Default)
- MPU : 7kHz, 30Vac(Custom-made)

Connection Circuit



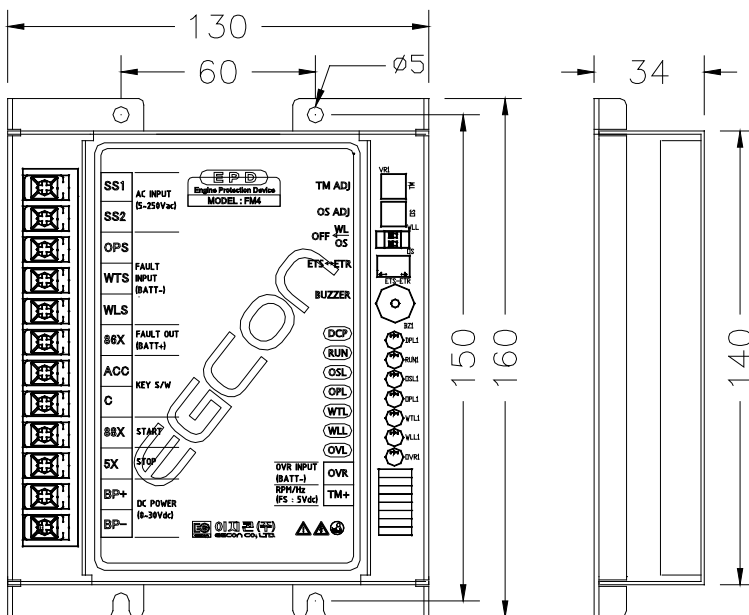
*Rating capacity of relay included in EPD is 20A, so you should use assistant magnet or external relay to use output that exceeds the capacity

S M : Starting motor
8 8 : Control for Energizing SM Set of start motor
REG : regulator
ALT : Charging Alternator

HT : Preheating assistant magnet
5 S : Stop solenoid
RPM : RPM Meter

WTS : Coolant Temperature switch
OPS : Oil pressure switch
WLS : Coolant level switch
OVR : Over voltage relay

Dimension(mm)



Miscellaneous

- Operating Temp.(°C) : -20~60
- Weight(kg) : 1.2
- Material of Case : Steel



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