

EPM-80 ENGINE PROTECTION + THREE DIGITAL METERS

DESCRIPTION

The ALLIEDTECHNO model EPM-80 is a microprocessor controlled unit designed to start and stop the genset manually using the key switch on the front panel and Display Generator Voltage Frequency and Load at same time.

In the OFF position, the DC supply is removed from the module, thus zero power consumption is achieved.

The unit powers up when the ON position of the front panel is selected. This will also energize the fuel solenoid relay and Fuel Light active. The engine is started using the next spring-loaded position marked START. Once the engine has started, the switch should be released.

CPU Light blinking insure that module is in good condition.

To shut down the engine, select the OFF position on the switch.

When the engine is running, the unit monitors fault conditions and shuts-down the engine automatically in the occurrence of an alarm. The alarms are identified by a group of LEDs displaying only the first occurring one. The alarm checking is only enabled after the protection hold-off timer is expired. This timer is set to 45 seconds when the unit is powered up, it resets to 20 seconds if the engine gets running.

The occurrence of below fault conditions will cause the engine to be stopped immediately:

- 1- Over speed
- 2- Hot water temperature
- 3- Hot oil temperature
- 4- Low oil level
- 5- Low oil pressure
- 6- Low gas pressure

If a fault condition occurs, the FUEL solenoid will be deenergized and the led associated with this condition will turn on.

Only the first occurring fault will be indicated. To reset the fault condition, turn the switch to the OFF



The limits for the correct generator frequency are 30 to 57 Hz for 50Hz operation.

The unit uses high current part connectors for maximum power transfer and safety from wire losing.

FEATURES

VOLTAGE - AMP - HZ Real Value Display
Microprocessor controlled
Manual fuel control and start
Automatic shutdown on fault condition
Survives cranking dropouts
Digital LED Bar of generator frequency
Over speed protection
Hot water temperature protection
Hot oil temperature protection
Low oil level protection
Low oil pressure protection
Low gas pressure protection
Alarm output
High power connectors
Panel cut dimensions (198mmx148mm)
Medium cost ,High efficient