







GPMR 72 P (12 and 24vcc) (72X72)

OPERATION

1. MANUAL OPERATION

Press  to activate **GPM-R** and the led comes  on

Press back  to activate automatic service, the led  comes on.

Start Signal to the motor.



If **“START”** is **not pressed** within 30 seconds, **“GPMR”** deactivates and there is no power from the battery. Only one start command is allowed. To repeat the start, first press **“OFF”** and then press **“ON”** again.

- **Cancelling start command:**

This happens when the **“Oil pressure”** and **“Battery charge”** signals are detected. If there is only **“Oil pressure”** signal, connect terminal 13 to positive of battery.

- **Generator contactor connection:**

With the motor running signal and after 10 seconds have elapsed, commands connection to the generator contactor.




Stop command for 20 secs., when these have elapsed, it deactivates the controller

(there is no consumption from the battery) led  is switched off.

OFF If there is no start command, it deactivates **“GPMR”**


2. AUTOMATIC OPERATION

If auto operation was previously selected, connecting terminal 14 to negative of battery,

controller is switched on and led  is switched on. GPM72 P activated start output (3 attempts).

GPMR If terminal 14 is opened from negative, GPMR 72P stops the engine immediately or after a minute of cooling time depending of how switch 2 is connected.

After being stopped for 20 secs. **GPM-R72** is deactivated. **(no battery consumption)**.

The led  switches off.

3. ALARMS WITH OPTICAL INDICATION, STOP AND START BLOCKING

Start failure  **(Flashing with alarm)**

In automatic mode: When the unit has not started after the 3 start/pause attempts.

Emergency stop  **(Steady with alarm)**


When “Emergency stop” is activated. External signal

Oil pressure  **(Flashing with alarm/Steady signalling)**

The alarm starts 15 secs. after the motor starts running

Overheating  **(Flashing with alarm)**

The alarm is triggered by a thermostat in the motor.

Battery charge fault  **(Flashing with alarm/Steady signalling)**

The alarm starts 15 secs. after the motor starts running

4. ALARMS WITH OPTICAL INDICATION (NO STOP)

Low fuel level 

5. RESETTING ALARMS WITH STOP

PRESS 

TECHNICAL DETAILS

Battery power 12 / 24Vcc.
8-35Vcc

Configuration switches:

1. **ON** With 10 seconds preignition
2. **ON** With 60 seconds cooling time
3. **ON** Stop solenoid (excited stop)
OFF Fuel solenoid (dexcited stop)
4. **ON** Start magnetization current
OFF No magnetization current

Transistor outputs (activates closing to negative of battery):

Capacity: 1 Acc

- ✓ Contact
- ✓ Preignition
- ✓ Start
- ✓ Generator close/open
- ✓ Stop solenoid or fuel solenoid
- ✓ Horn.



TAKE CARE! SINCE THE BATTERY CHARGER GENERATORS, WHEN THE BATTERY IS DISCONNECTED WHILE THE UNIT IS RUNNING, GENERATE BETWEEN 50 AND 200 VOLTS (WHICH WILL DESTROY ELECTRONICS), ABSOLUTELY NO OPERATIONS MUST TAKE PLACE ON THE CONNECTIONS WHILE THE UNIT IS RUNNING.

