

10 - 2000 kVa  
Control System

**WE  
POWER  
YOU**

*Complete Range of  
50/60 Hz from 10 - 2000kva  
ideal for  
Telecommunication, Construction  
and Retail Market*

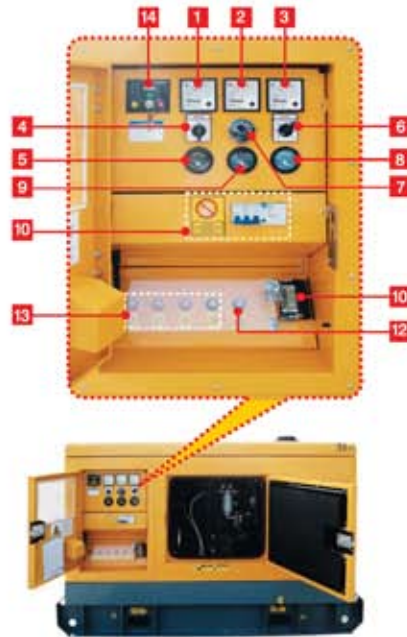


## PLC-701AMF Control System

**Description**  
The PLC-701AMF key Manual Start Model is a Manual Engine Control Module designed to control the engine via a key switch and pushbuttons on the front panel. The module is used to start and stop the engine and indicate fault conditions, automatically shutting down the engine and indicating the engine failure, giving true, and fault annunciation.

### Standard Control Function

- Manual Engine Control Module
- High Engine Temperature
- Over speed Protection
- Charge Failure warning
- Low Oil Pressure
- Auxiliary Shutdown
- Protection hold-off timer



### Standard Features

1. Current Meter
2. Frequency Meter
3. Voltage Meter
4. Ammeter Change-Over Switch
5. Water Temperature Meter
6. Voltmeter Change-Over Switch
7. Oil Level Meter
8. Oil Temperature Meter
9. Battery Voltage Meter
10. Circuit Breaker
11. Heavy Load Connector
12. Ground
13. Wires
14. PLC-702HC Module

## PLC-7110

Controlled by Module Deep Sea 7110

**Description**  
The Generator Controller GC-1F is a microprocessor-based control unit containing all necessary functions for protection and control of a diesel engine. Furthermore, it contains a three-phase AC voltage measuring circuit. The unit is equipped with an LCD display presenting all values and alarms. 7110 is a compact all-in-one unit designed for the following applications:

- Automatic engine start/stop
- CANbus J1939 engine communication
- Automatic Mains Failure Optional applications
- Generator protection
- Engine protection
- Breaker control



### Description For Module 7110

**Clear test display**

- 128 x 64 pixel backlit LCD
- Graphic symbol messaging
- Clear test alarm messages
- Clear test diagnostic for both hardware inputs and CANbus messages (J1939)
- Log book holding 150 log entries
- Real time clock for time and date

**1. Stop horns/Alarm**  
**2. Return button**  
**3. Directional keypad with activity LED**  
**4. Alarm indicator**  
**5. Configuration keypad Page up**  
**6. Configuration keypad Page down**

Start engine running indicator  
Clear Generator protection  
Running feedback present  
V/F OK indicator  
Clear GEN circuit breaker  
Open GEN circuit breaker  
Clear mains circuit breaker  
Open mains circuit breaker

Adjusts for selected test in the entered time  
Lamp test Achieves ALL LEDs for 3 seconds  
Auto noise selection  
Many ready selection  
Set ready to output

	PLC701K	PLC-1F	
<b>Measurements</b>	Current	○	●
	Frequency	○	●
	Wire voltage	○	●
	Phase voltage	○	●
	Genset KVAr	×	×
	Genset KW	×	×
	Generator output capacity	×	×
	Output KWh	×	×
	Output KW	×	×
	KW factor	×	×
<b>Engine Figure</b>	Mains wire Volts	×	●
	Mains phase Volts	×	●
	Mains frequency	×	●
	Oil pressure	○	●
	Cooling fluid temperature	○	●
	Battery voltage	○	●
	Engine rotating speed	●	●
	Engine hours run	×	●
	Start / voltage trimmin	○	●
	Network switch (normal)	×	●
<b>Monitor Function</b>	Network switch (emergency)	×	●
	Under / Over Mains Volts	×	●
	Under / Over Mains Frequency	×	●
	External Remote control start output (load / un-load)	×	●
	Configurable relay outputs	●	●
	AMF function	●	●
	All function telecom remote control	●	●
	Engine instrumentation monitor	●	●
	Alternator instrumentation monitor	●	●
	Configurable input trip point by 9 users	×	●
<b>Warning/Shutdown</b>	4 user output trip point	×	●
	Control LCD brightness in low brightness environment	×	●
	PIN password	×	●
	RS232/485 Interface	×	●
	All function control button on panel, including user adjustable language	×	●
	Multi-language function	×	●
	Alternator Under / Over Volts	●	●
	Alternator Under / Over Frequency	●	●
	Under / Over Speed	●	●
	Low Oil Pressure	●	●
High Engine Temp	○	●	
High/Low Battery Volts	○	●	
Over-current	×	●	
Electrical Trip	×	●	
Reverse Power Electrical Trip	×	●	
Phase Sequence Electrical Trip	×	●	
Earth Fault Shutdown	×	●	
Adjustable start periodic/times	×	●	
Periodic maintenance alarm	×	●	