

DESCRIPTION

The microprocessor range of REMOTE START modules have been designed to provide LOCAL & REMOTE start control for diesel driven generators. Incorporated in this range of panel-mounted modules are all the safe guards required by today's generator market. These automatically stop the generator, should a fault occur. Positive indication of the fault is displayed via LED indicators

INSTALLATION

The control module has been designed to be panel mounted via a through hole panel cut out. The controller is to be inserted in to the control panel from the front side. Two securing clips, supplied, are then attached to each side of the controller case. They should be turned until the screw head comes into contact with the front fascia, and tightened until secure.

FEATURES

Module Dimensions (HxWxD).....65x65x130mm
Housing.....Metal Box
Panel cut out.....68x68mm
Fuel Control.....Output Relay (16 Amp)
Timed Pre-heat Control....Output Relay (16 Amp)
Starter motor Control.....Output Relay (16 Amp)
Emergency Stop (B+ve)....Input
Low oil pressure shutdown.....Input
Plant Contactor Control*.....Output
High water temperature shutdown.....Input
Customer spare shutdown.....Input
Under voltage sensing.....Input
Charge fail indication.....Input
Microprocessor Controlled.....Yes
Configuration through dipswitches.....Yes
Dc Voltage Available for.....12 or 24
AC Voltage (Ph to N) Available for115 or 230

Note: In order for the starter motor output (2) and pre-heat output circuits (10) to be activated:-

- 1) The W/L (Warning Light) signal on terminal (9) must be a 0 volts prior to starting the engine, LED position 3 lit,
- 2) The oil pressure switch (terminal 4) must be in the engine stationary position.

As the engine starts the W/L volts will rise to the battery charging voltage, and LED position 3 with turn off. The oil pressure will build and the oil switch will change to the engine running state. These are protection procedure to prevent the starter motor engaging on to a running engine



Switch Positions

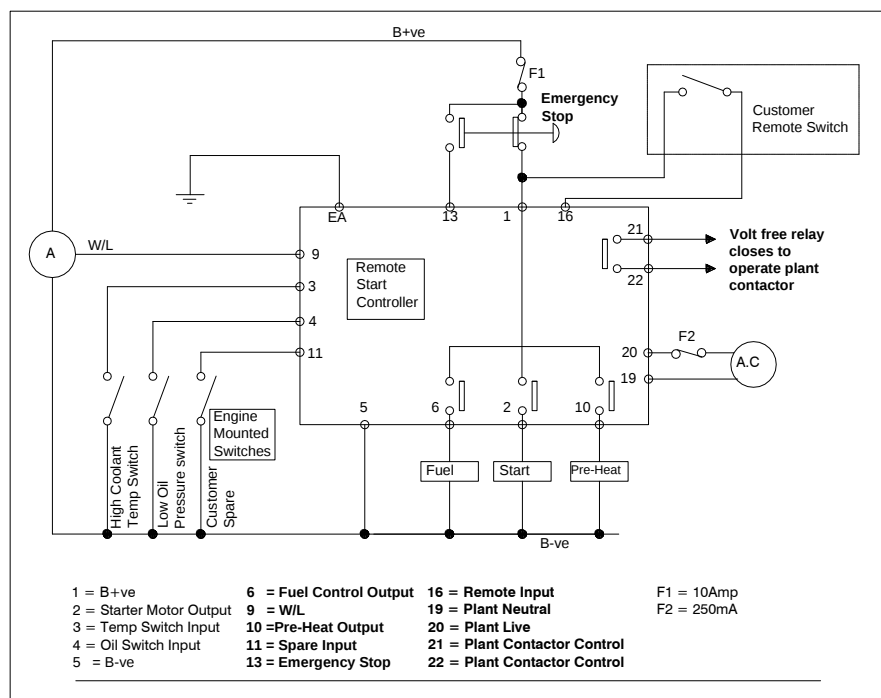
Control of the generator is through a three-position Rocker switch, located on the front fascia.

TEST Manual Start. Enables the fuel, timed pre-heat and starter motor outputs.

OFF Resets all alarm conditions and removes power from the module. The remote start function is disabled.

REMOTE Automatic. The unit may be started remotely via a switch making contact from battery positive to terminal 16. Battery positive applied to terminal 16 enables the fuel, timed pre-heat and starter motor outputs. This system only operates while the remote position is selected.

TYPICAL INSTALLATION



LED INDICATIONS

Position	LED	ICON	STATUS
1	Green		Fuel On
2	Green		Pre-Heat
3	Red		W/L
4	Red		A/C Fail
5	Red		E.Stop
6	Red		Temp Fail
7	Red		Oil P Fail
8	Red		Spare

DIPSWITCHES

The rear of the controller houses a 4 position Dual in Line (DIL) dipswitch. This allows the controller to be correctly configured for operation with the engine protection switches.

N/O = Normally Open Contact

N/C = Normally Closed Contact

Switch	Parameter	ON	OFF
S1	Oil p Fail	N/O	N/C
S2	Coolant Temp	N/C	N/O
S3	Spare fail	N/C	N/O
S4	Ph Delay	Short	Long