FG Wilson FG100 INSTALLATION MANUAL

ENTERING THE PROGRAMMING

To enter the program mode, press together ▲ **PGM** ▼ buttons for 5 seconds.
When the program mode is entered, below password entry screen will be displayed.

A 4 digit password must be entered using ▼, ▲ , and buttons.

The ▼, ▲buttons modify the value of the current digit. The and buttons navigate between digits.

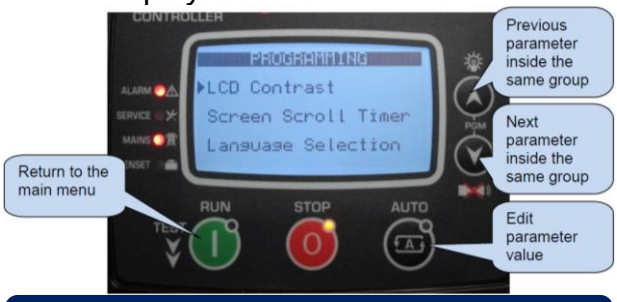
The password level-1 is factory set to '1234' and the password level-2 is factory set to '9876'.

If a wrong password is entered, the unit will still allow access to the program parameters, but in read-only mode. If password "0000" is entered, only EVENT LOG file will be available.

NAVIGATING BETWEEN MENUS

Navigation between different groups are made with ▼and ▲buttons. Selected group is shown in reverse video (blue on white).
In order to enter inside a group, please press button. In order to exit from the group to the main list please press button.

Navigation inside a group is made also with ▼and ▲buttons. A list of available parameters will be displayed. Selected parameter is shown in reverse video (blue on white). In order display/change the value of this parameter, please press button.
Parameter value may be increased and decreased with ▼and ▲buttons. If these keys are hold pressed, the program value will be increased/decreased by steps of 10. When a program parameter is modified, it is automatically saved in memory.
If button is pressed, next parameter will be displayed. If button is pressed, then the list of parameters in this group will be displayed.



MODIFYING PARAMETER VALUE

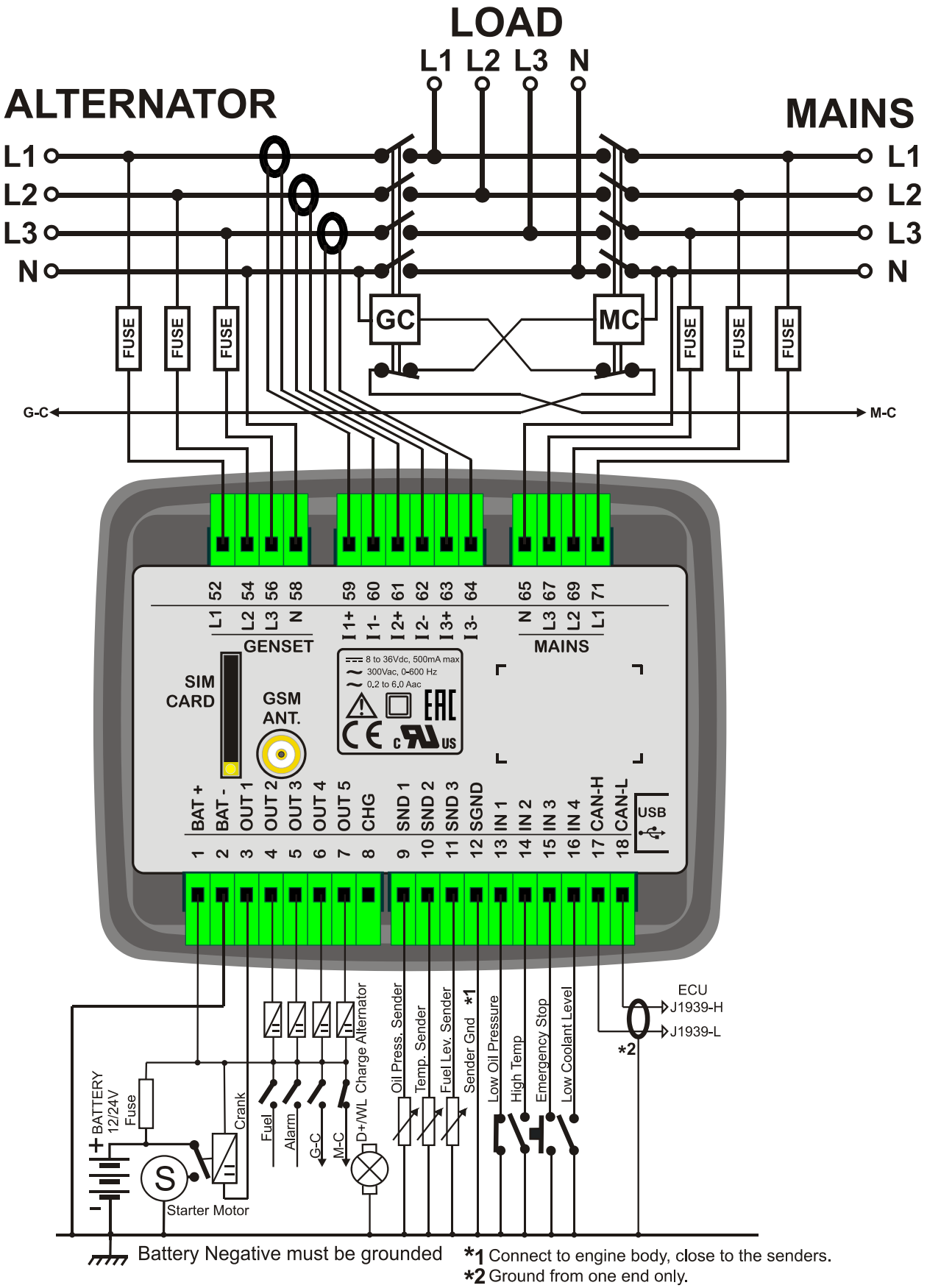
PROGRAMMING MODE EXIT

To exit the program mode press STOP button. If no button is pressed during 2 minutes the program mode will be cancelled automatically.

MOST ESSENTIAL PROGRAM PARAMETERS

GROUP	PARAMETER DEFINITION	FACTORY SETTING
Controller Configuration	Language Selection	0 (ENGLISH)
	Unit Functionality	AMF
	Engine Control Only	0
	CT Location	GEN
Electrical Parameters	Current Transformer Primary	500
	Nominal Voltage	230
	Nominal Frequency	50
	Mains Voltage Low Limit	V-20%
	Mains Voltage High Limit	V+20%
	Mains Voltage Fail Timer	1sec
	Mains Frequency Low Limit	F-10%
	Mains Frequency High Limit	F+10%
	Mains Frequency Fail Timer	1sec
	Genset Low Voltage Warning Limit	V-15%
	Genset Low Voltage Shutdown Limit	V-20%
	Genset High Voltage Warning Limit	V+15%
	Genset High Voltage Shutdown Limit	V+20%
	Genset Voltage Fail Timer	1sec
	Genset Low Frequency Warning Limit	F-15%
	Genset Low Frequency Shutdown Limit	F-20%
	Genset High Frequency Warning Limit	F+15%
	Genset High Frequency Shutdown Limit	F+20%
	Genset Frequency Fail Timer	1sec
	Low Battery Voltage Warning Limit	12
	Low Battery Voltage Shutdown Limit	9
	High Battery Voltage Warning Limit	29
	High Battery Voltage Shutdown Limit	30
	Battery Voltage Fail Timer	3sec
	Genset Overcurrent Limit	0A
	Genset Overload Limit	0kw
Engine Parameters	Nominal RPM	1500
	Engine Start Delay	0
	Preheat Timer	0
	Crank Timer	6
	Engine Heating Timer	4
	Stop Solenoid Timer	10
	Cooldown Timer	120sec
	Number of Starts	3
	Crank Cut Voltage	100V
	Crank Cut Frequency	10Hz
	Crank Cut Rpm	500rpm
	Crank Cut Charge Voltage	6V

PUSHBUTTON FUNCTIONS

BUTTON	FUNCTION
	Selects RUN mode. The genset runs off-load. If held pressed for 5 seconds, selects TEST mode. In TEST mode the genset runs and takes the load.
	Selects AUTO mode. The genset runs when necessary and takes the load.
	Selects OFF mode. The genset stops.
	Selects next display screen in the same display group. Resets the ALARM RELAY.
	Selects next screen group. LAMP TEST when held pressed.
 PGM 	When held pressed for 5 seconds, enters PROGRAMMING mode.
	Makes factory reset. Please review chapter RESETTING TO FACTORY DEFAULTS for more details.
	When held pressed for 5 seconds, resets service request counters. Please review chapter SERVICE REQUEST ALARM for more details.

TYPICAL CONNECTIONS