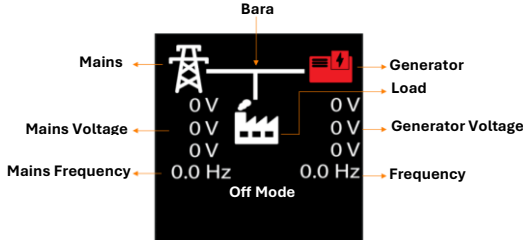


MAIN MENU AND KEY IDENTIFICATION



Start Button: Used to start the generator in manual mode.



Stop Button: If the generator is under load, pressing this button initiates cooling. If cooling is not desired, pressing the button again will stop the device immediately. If not under load, pressing the button stops the generator directly. If Parameter 20 is active, the device enters Shutdown Mode and the above operations take place.



GCB Button (Right): In monitoring pages, used to switch the load after the generator starts in manual mode. If the mains contactor is active, it must first be deactivated with the MCB button, and then the load can be engaged with the GCB button. In menu pages, a short press acts as the Enter Button.



MCB Button (Left): In monitoring pages, used to switch to load when the mains values are suitable in manual mode. If the generator contactor is active, it must first be deactivated with the GCB button, and then the load can be engaged with the MCB button. In menu pages, a short press acts as the Back Button.

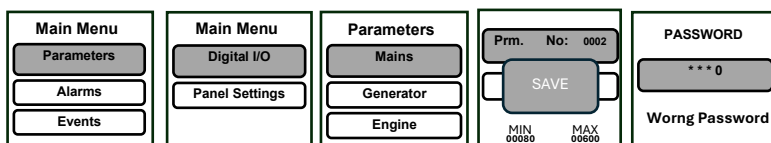


Up Button: When pressed long, the mode can be changed, with each mode indicated by a different color. When pressed short, it silences and clears alarms in the main and alarm pages



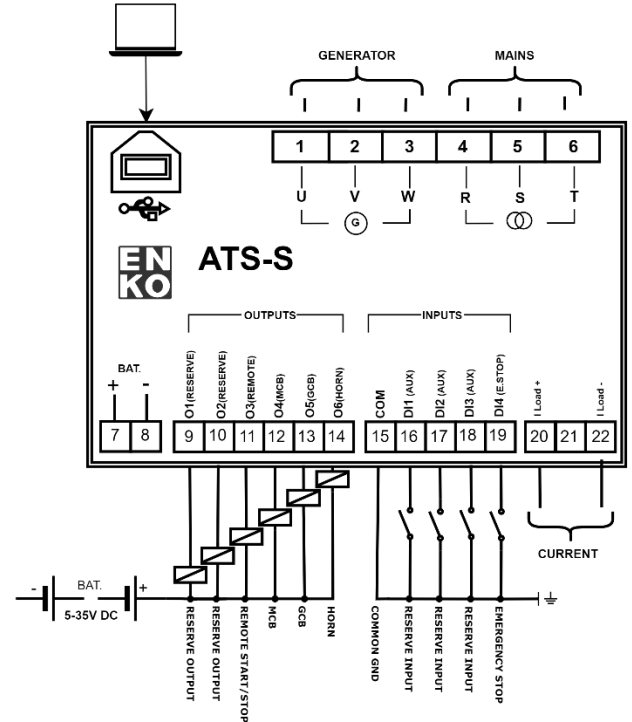
Down Button: When pressed long in the main pages, it enters the Menu. In menu pages, a short press is used to move downwards.

MAIN MENU AND USER INTERFACE



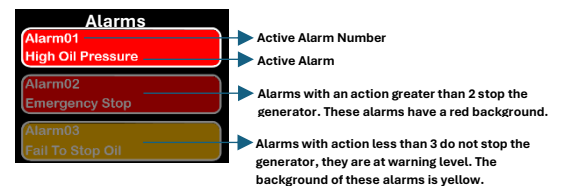
For entry, press and hold the down button for 1 second to enter the main menu. Use the down and up buttons to change the selection. Use the exit button to exit.

ATS-S CONNECTION DIAGRAM



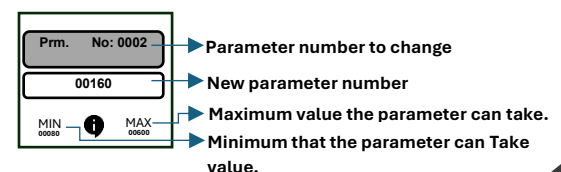
ACTIVE FAULTS AND FAULT RECORDS

Press the entry button to access the main menu. In the main menu, navigate to the "Alarms" section and press the entry button. Active faults are listed on this page with a red background color.



PARAMETER MODIFICATION

Press the Enter button from the Main Menu to access the Parameters section. Then, enter the Enter Parameter No section with the Enter button. Adjust the values you want to change using the up and down arrows, and the left and right arrows for digit positioning, and confirm with the Enter button. To exit the menu without entering parameters, press the Exit button.



PARAMETERS

	P.	PARAMETER DESCRIPTION	UNI.	L	MIN.	MAX.	DEF		P.	PARAMETER DESCRIPTION	UNI.	L	MIN.	MAX.	DEF
GRID	101	Off Mode Selection		2	0	1	0	GENERAL	2	Factory Password		3	0	9999	1923
	102	High Voltage Alarm Level	%	1	101	150	115		3	Service Password		2	0	9999	1922
	103	Low Voltage Alarm Level	%	1	50	99	85		4	User Password		1	0	9999	1934
	104	High Frequency Alarm Level	%	1	101	150	104		5	Parameter Record		1	0	2	0
	105	Low Frequency Alarm Level	%	1	50	99	96		6	LANGUAGE		1	0	1	0
	110	Phase Sequence Control Action		1	0	1	1		7	Return to Factory Settings		3	0	2	0
	111	Connection Type		2	0	1	1		8	Log Cleanup		3	0	1	0
ENGINE	301	Generator Connection Type		2	0	1	1	GENERATOR	9	Engine Clock Setting		3	0	32000	0
	304	Mode Function		1	0	2	0		10	Menu Timeout	min	3	1	30	5
	328	Nominal Battery Voltage	V	2	100	260	130		11	Exit Menu		1	0	1	0
	329	Battery High Voltage Alarm Action		3	0	4	1		203	Nominal Voltage	V	2	85	240	220
	330	Battery High Voltage Alarm Level	%	2	101	125	125		205	High Voltage Alarm Action		3	0	4	4
GENERATOR TIMER	331	Battery Low Voltage Alarm Action		3	0	4	1		206	High Voltage Alarm Level	%	2	101	150	115
	332	Battery Low Voltage Alarm Level	%	2	75	99	75		207	Low Voltage Alarm Action		3	0	4	4
	501	High Voltage Alarm Delay	s	3	1	1000	10		208	Low Voltage Alarm Level	%	2	50	99	85
	502	Low Voltage Alarm Delay	s	3	1	1000	10		209	Nominal Frequency	Hz	2	300	600	50.0
	503	High Frequency Alarm Delay	s	3	1	1000	10		211	High Frequency Alarm Action		3	0	4	4
ENGINE TIMER	504	Low Frequency Alarm Delay	s	2	1	1000	10		212	High Frequency Alarm Level	%	2	101	130	106
	505	Circuit Breaker Shutdown Output Pulse Duration	s	2	1	1000	10		213	Low Frequency Alarm Action		3	0	4	4
	507	Phase Sequence Error Delay	s	2	10	1000	10		214	Low Frequency Alarm Level	%	2	50	99	94
	508	High Current Alarm Delay	s	3	1	1000	10		219	Generator Phase Sequence Control Action		1	0	4	1
	509	High Power Alarm Delay	s	3	1	1000	10		220	Generator Overcurrent Alarm Action		3	0	4	4
	601	Initialisation Delay	s	1	0	6000	50		221	Generator Overcurrent Alarm Level	A	2	1	2500	50
	602	Network Stabilisation Period	s	1	0	18000	200		222	Generator Over Power Alarm Action		3	0	4	4
	606	Fault Control Delay	s	3	0	1000	100		223	Generator Over Power Alarm Level	kVA	2	1	32000	300
	613	Cooling Time	s	3	0	18000	300		227	Generator Current Transformer Ratio		2	1	500	20
	615	Transfer Time	s	3	0	6000	7								
	616	Horn Duration	s	2	10	900	30								
	637	ATS No-Stop Delay		1	10	6000	100								
	638	ATS Non-Start Delay		1	10	6000	100								

	Output 1	Output 2	Output 3	Output 4	Output 5	Output 6
Output Function	1101	1103	1105	1107	1109	1111
Default Value	10	1	2	8	6	4
Output Delay	701	702	703	704	705	706
Default Value	0	0	0	0	0	0
Output Contact Type	1102	1104	1106	1108	1110	1112
Default Value	NO	NO	NO	NO	NO	NO
0 : None	1 : Horn	2 : GCB Output	3 : MCB Output	4 : Remote Start		
5 : Common Alarm	6 : Stop Mode	7 : Auto Mode	8 : Manual Mode	9 : Mains Failure		
10 : Engine Running	11 : Generator on Load	12 : Mains on Load	13 : Generator Available	14 : Mains Available		
15 : Generator Load Inhibited	16 : Mains Load Inhibited	17 : Generator High Frequency	18 : Generator High Voltage	19 : Generator Low Frequency		
20 : Generator Low Voltage	21 : Mains High Frequency	22 : Mains High Voltage	23 : Mains Low Frequency	24 : Mains Low Voltage		
25 : Return Delay	26 : Start and Run	27 : Start Delay	28 : Waiting for Generator	29 : Waiting For Manual Restore		
30 : Module Energised	31 : Battery High Voltage	32 : Battery Low Voltage	33 : Cooling Down	34 : Fail to Start		
35 : Fail to Stop	36 : Over Power	37 : Over Current	38 : CB Zero Position Pulse			
	Input 1	Input 2	Input 3	Input 4	Input 5	Input 6
Input Function	1201	1205	1209	1213		
Default Value	0	1	0	0		
Input Delay	701	702	703	705		
Default Value	0	0	0	1		
Input Contact Type	1202	1206	1210	1214		
Default Value	NC	NC	NC	NC		
0 : None	1 : Emergency Stop	2 : Ready to Load	3 : Panel Lock	4 : MCB Feedback		
5 : GCB Feedback	6 : Start Button Simulation	7 : Stop Button Simulation	8 : MCB Button Simulation	9 : GCB Button Simulation		
10 : Remote start/stop	11 : Remote start/Load	12 : Remote Off	13 : Remote Manual	14 : Remote Auto		
15 : Mains Available	16 : Mains Error	17 : Mains Contactor Lockout	18 : Generator Contactor Killtime	19 : Alarm Mute		
20 : Alarm Disable	21 : Alarm Reset	40 : User Defined				

- NOTE: If the menu exit time has elapsed since the last entered password, the password screen is displayed. It is requested to enter the password again.
- NOTE: Errors and alarms received while in the main menu are reset, but they are not removed from the main screen as information. When the main screen is reached, reset button is pressed again.
- NOTE: In test mode, when the start button is pressed for the first time, the genset is started, but if it is pressed for the second time, the genset feeds the load.
- NOTE: In the event of a fault or warning, the warning symbol is displayed in the lower right corner of the screen and the status bar flashes red and blue depending on the level of the fault.