



ACCESSING THE CONFIGURATION EDITOR

Press the Stop/Reset 🧿 and Info 💟 buttons

The LED beside the AUTO button will flash continuously to indicate that configuration mode has been entered.



C

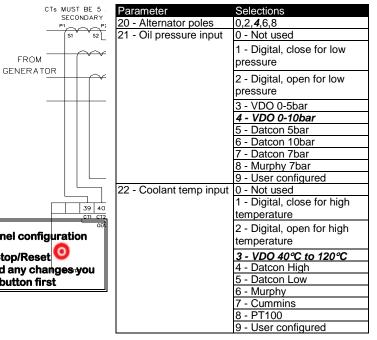
From the configuration table, this example is displaying Start Delay (parameter 0). It is currently

(Factory default settings are shown in the configuration table in **bold italic** text)

EDITING A PARAMETER

- Enter the editor as described above.
- Press + / to scroll through the parameters to the one you want to change.
- Parameter Rande 0 - Start delay 0-60m (5s) 1 - Preheat 0-60s (0s) 2 - Crank attempt 3-60s (10s) 3 - Crank rest 3-60s **(10s**) 4 - Safety delay 8-60s (8s) 5 - Warming up 0-60s (0s) 6 - Return delay 0-60m (30s) 7 - Cooling run 0-60m (60s) 8 - E.T.S. hold 0-60s (0s) 9 - Sensor fail 1-5s (2s) 10-60s (60s) 10 - Fail to Stop 11 - Low Oil Press 5-150PSI (15PSI) 12 - High Temp 90-150°C (95°C) 13 - Under Speed 0-3600RPM (1250RPM) 14 - Over Speed 300-5000RPM (1750RPM) 15 – Under freg 0-60Hz (40Hz) 50-72Hz (57Hz) 16 - Over freg' 17 - Charge Alt Failure 0-25V (8V DC) 18 - Flywheel teeth 46-300 (0) 19 - CT Primary 10-6000A (500A)

NOTE:- Setting a timer to zero (0) will disable it (where applicable) NOTE:- Setting Flywheel teeth to zero (0) will disable magnetic pickup speed sensing. In this instance, engine speed is derived from the alternator output frequency



23 - Fast load	Selections	Parameter
20 - 1 221 1020	ing 0 - No	28 - Output 3
enabled	1 - Yes	
24 - AC syster	m 0 - 3 phases 4 wires	
	1 - 1 phase 2 wire	
	2 - 3 phases 3 wires	
	3 - 2 phases 3 wires	
25 - Oil pressu		
display u	nits 1 - kPa	
Parameter		
26 - Output 1	0 - Unused	
	1 - Preheat mode 0	
	2 - Air flap	
	3 - Close Generator	
	4 - Energise to stop	
	5 - Engine running	
	6 - Shutdown alarm	
	7 - System in auto	
	8 - Auxiliary input 1 active	
	9 - Auxiliary input 2 active	29 - LCD 1
	10 - Auxiliary input 3 active	
	11 - Auviliany input 4 active	
	11 - Auxiliary input 4 active	
	12 - Auxiliary input 5 active	
	13 - Preheat mode 1	
	14 - Preheat mode 2	
	15 - Preheat mode 3	
	16 - Warning alarm	
	17 - Common alarm	
27 - Output 2	0 - Unused	
	1 - Preheat mode 0	
	2 - Air flap	
	3 - Close Generator	
	4 - Energise to stop	
	5 - Engine running	
	6 - Shutdown alarm	
	7 - System in auto	
	8 - Auxiliary input 1 active	
	9 - Auxiliary input 2 active	
	10 - Auxiliary input 3 active	
	10 - Auxiliary input 3 active	30 - LCD 2
	10 - Auxiliary input 3 active 11 - Auxiliary input 4 active	30 - LCD 2
	10 - Auxiliary input 3 active 11 - Auxiliary input 4 active 12 - Auxiliary input 5 active	30 - LCD 2
	10 - Auxiliary input 3 active 11 - Auxiliary input 4 active 12 - Auxiliary input 5 active 13 - Preheat mode 1	30 - LCD 2
	10 - Auxiliary input 3 active11 - Auxiliary input 4 active12 - Auxiliary input 5 active13 - Preheat mode 114 - Preheat mode 2	30 - LCD 2
	10 - Auxiliary input 3 active11 - Auxiliary input 4 active12 - Auxiliary input 5 active13 - Preheat mode 114 - Preheat mode 215 - Preheat mode 3	30 - LCD 2
	10 - Auxiliary input 3 active11 - Auxiliary input 4 active12 - Auxiliary input 5 active13 - Preheat mode 114 - Preheat mode 215 - Preheat mode 316 - Warning alarm	30 - LCD 2
	10 - Auxiliary input 3 active11 - Auxiliary input 4 active12 - Auxiliary input 5 active13 - Preheat mode 114 - Preheat mode 215 - Preheat mode 3	30 - LCD 2

Selection	
Selection 0 - Unused	
1 - Preheat mode 0	
2 - Air flap	
3 - Close Generator	
4 - Energise to stop	
5 - Engine running	
6 - Shutdown alarm	
7 - System in auto	
8 - Auxiliary input 1 active	
9 - Auxiliary input 2 active	
10 - Auxiliary input 3 active	
11 - Auxiliary input 4 active	
12 - Auxiliary input 5 active	
13 - Preheat mode 1	
14 - Preheat mode 2	
15 - Preheat mode 3	
16 - Warning alarm	
17 - Common alarm	
0 - Unused 1 - Preheat mode 0	
2 - Air flap	
3 - Close Generator	
4 - Energise to stop	
5 - Engine running	
6 - Shutdown alarm	
7 - System in auto	
8 - Auxiliary input 1 active	
9 - Auxiliary input 2 active	
10 - Auxiliary input 3 active	
11 - Auxiliary input 4 active	
12 - Auxiliary input 5 active	
13 - Preheat mode 1	
14 - Preheat mode 2	
15 - Preheat mode 3	
16 - Warning alarm	
17 - Common alarm	
 0 - Unused	
1 - Preheat mode 0	
2 - Air flap	
3 - Close Generator	
4 - Energise to stop	
5 - Engine running	
6 - Shutdown alarm	
7 - System in auto	
8 - Auxiliary input 1 active	
9 - Auxiliary input 2 active	
10 - Auxiliary input 3 active	
11 - Auxiliary input 4 active	
12 - Auxiliary input 5 active	
13 - Preheat mode 1	
14 - Preheat mode 2	
15 - Preheat mode 3	
16 - Warning alarm	
17 - Common alarm	

Parameter	Selection	Parameter	Selection
31 - LCD 3	0 - Unused	33 - Input 1	0 - Delayed, Warning, close to activate
21 2000	1 - Preheat mode 0	oo mpari	1 - Delayed, Warning, open to activate
	2 - Air flap		2 - Immediate, Warning, close to activate
	3 - Close Generator		3 - Immediate, Warning, open to activate
	4 - Energise to stop		4 - Delayed, Shutdown, close to activate
	5 - Engine running		5 - Delayed, Shutdown, close to activate
	6 - Shutdown alarm		6 -Immediate, Shutdown, close to activate
	7 - System in auto		7 - Immediate, Shutdown, close to activate
	8 - Auxiliary input 1 active		8 - Remote Start, close to activate
	9 - Auxiliary input 2 active		
	10 - Auxiliary input 3 active		9 - Remote Start, open to activate
	11 - Auxiliary input 4 active	34 - Input 2	0 - Delayed, Warning, close to activate
	12 - Auxiliary input 5 active		1 - Delayed, Warning, open to activate
	13 - Preheat mode 1		2 - Immediate, Warning, close to activate
	14 - Preheat mode 2		3 - Immediate, Warning, open to activate
	15 - Preheat mode 3		4 - Delayed, Shutdown, close to activate
	16 - Warning alarm		5 - Delayed, Shutdown, open to activate
	17 - Common alarm		6 - Immediate, Shutdown, close to activate
			7 - Immediate, Shutdown, open to activate
32 - LCD 4	0 - Unused		8 - Electrical trip, close to activate
32 - LCD 4	1 - Preheat mode 0		9 - Electrical trip, open to activate
	2 - Air flap	35 - Input 3	0 - Delayed, Warning, close to activate
	3 - Close Generator		1 - Delayed, Warning, open to activate
	4 - Energise to stop		2 - Immediate, Warning, close to activate
	5 - Engine running		3 - Immediate, Warning, open to activate
	6 - Shutdown alarm		4 - Delayed, Shutdown, close to activate
	7 - System in auto		5 - Delayed, Shutdown, open to activate
	8 - Auxiliary input 1 active		6 - Immediate, Shutdown, close to activate
	9 - Auxiliary input 2 active		7 - Immediate, Shutdown, open to activate
	10 - Auxiliary input 3 active		8 - Lamp test, close to activate
	11 - Auxiliary input 4 active		9 - Lamp test, crose to activate
	12 - Auxiliary input 5 active	26 Input 4	
	13 - Preheat mode 1	36 - Input 4	0 - Delayed, Warning, close to activate
	14 - Preheat mode 2		1 - Delayed, Warning, open to activate
	15 - Preheat mode 3		2 - Immediate, Warning, close to activate
			3 - Immediate, Warning, open to activate
	16 - Warning alarm		4 - Delayed, Shutdown, close to activate
	17 - Common alarm		5 - Delayed, Shutdown, open to activate
			6 - Immediate, Shutdown, close to activate
			7 - Immediate, Shutdown, open to activate
		37 - Input 5	0 - Delayed, Warning, close to activate
			1 - Delayed, Warning, open to activate
			2 - Immediate, Warning, close to activate
NOTE:-	The 'preheat modes' selectable for		3 - Immediate, Warning, open to activate
 configurable outputs and LCD indicators perform the following actions : Preheat mode 0 - Preheat during preheat timer, ceasing at end of preheat timer. Preheat mode 1 - Preheat during preheat timer and continue until engine stops cranking. Preheat mode 2 - Preheat during preheat timer and 			4 - Delayed, Shutdown, close to activate
			5 - Delayed, Shutdown, open to activate
			6 - Immediate, Shutdown, close to activate
			7 - Immediate, Shutdown, open to activate
			8 - Oil pressure, Shutdown, close to activate
			9 - Oil pressure, Shutdown, open to activate
continue until the safety delay timer has expired.			
 Preheat mode 3 - Preheat during preheat timer and continue until the warming timer has expired. 			
Somme	and are warning unor has expired.		

In addition, in all preheat modes, preheat takes place during the crank rest timer between crank

cycles.