

## AUX USER PROGRAM DEFINITIONS FD4e v5



Rev1 22/7/2013

501 AUX SETPOINTS Aux User Program # 1 Enabled [Yes]
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This 501 parameter enables and disables the program. It should be enabled to make this aux user program active. Can be used to quickly and temporarily disable a parameter without losing the settings.

502 AUX SETPOINTS Aux User Program # 1 Input Number [30]                      0-70
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This is the input number for the aux user program. It can be an actual hardware input (Input numbers can be seen on the drawing) or it can be an internal software function.

503 AUX SETPOINTS Aux User Program # 1 Input contact type [NO ]
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Input contact type, either normally closed (NC) or normally open (NO). Normally closed could be described as an inverter. For example, if the input was engine run, and 503 set to NC, then an engine stopped feature would be achieved.

504 AUX SETPOINTS Aux User Program # 1 Trip Time [ 0]sec                      0-999
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This is the amount of time required before the input is activated. For example, if the input was engine run, and trip time set to 5 seconds, then the output would be activated 5 seconds after the engine runs.

505 AUX SETPOINTS Aux User Program # 1 Reset Time [ 0]sec                      0-999
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This is an off delay time for the aux user program. For example, if this parameter was set to 5 seconds, with the input set to engine run, then this output would turn off 5 seconds after the engine has stopped.

506 AUX SETPOINTS Aux User Program # 1 Auto reset enabled [Yes]
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If set to yes then this parameter will make the channel automatically reset once the input has cleared. If set to no, then the input must be cleared AND the user must press the reset push button before the output is cleared.

507 AUX SETPOINTS Aux User Program # 1 Horn enabled [Yes]
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If set to yes, this parameter will make the alarm activate when the output is on.

508 AUX SETPOINTS Aux User Program # 1 Horn silence [Yes ]
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If set to No, this will make the alarm none muteable when activated.  
 Set to 4hrs or 24hrs, this will make the alarm muteable for 4 or 24 hours respectively.  
 Set to Yes, this will make the alarm muteable when activated.

509 AUX SETPOINTS Aux User Program # 1 LED Number [ 0]                              0-24
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This is the LED number, 1 to 24 for the output. If set to 0 then there is no LED output.

510 AUX SETPOINTS Aux User Program # 1 Output 1 Number [ 0]                              0-24
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This is the output number for the channel. Can be set to any output from 1 to 24, which includes the various controller functions such as the alarm, as well as the volt free contacts. Set to 0 for no output.

511 AUX SETPOINTS Aux User Program # 1 Output 2 Number [ 0]                              0-24
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512 AUX SETPOINTS Aux User Program # 1 Output 3 Number [ 0]                              0-24
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513 AUX SETPOINTS Aux User Program # 1 Record in event Log [NO ]
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If set to yes then this event will be recorded in the event log.

514 AUX SETPOINTS Aux User Program # 1 Text Message Number [ 0]                              0-
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This is the text message number for the event to be recorded in the event or alarm log.

515 AUX SETPOINTS Aux User Program # 1 Engine run dependent [NO ]
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If set to yes, then the input will not be activated until the engine is running. If set to no, then the channel will active all of the time. For example, this should be set to yes for engine oil channels.

516 AUX SETPOINTS Aux User Program # 1 Shutdown in Test [Yes]
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If set to Yes, engine will shutdown in test when activated.

517 AUX SETPOINTS Aux User Program # 1 Include in First-Up [No]
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If set to Yes, this channel is included in the first-up routine.

INPUT	FUNCTION	OUTPUT	FUNCTION
IN 01	LOW ENGINE TEMPERATURE	OUT 1	STARTED BATTERY
IN 02	HIGH COOLING WATER TEMPERATURE	OUT 2	CRANK 1
IN 03	CHARGER 1	OUT 3	CRANK 2
IN 04	CHARGER 2	OUT 4	ALARM HORN
IN 05	STOP PUSH BUTTON	OUT 5	TEST SOLENOID DRAIN VALVE
IN 06	ENGINE RUN	OUT 6	ENERGIZE TO RUN
IN 07	ENGINE OVER SPEED	OUT 7	ENERGIZE TO STOP
IN 08	LOW OIL PRESSURE	OUT 8	AUX 1 CONTACTS (LEFT HAND SIDE OF DB)
IN 09	HIGH WATER TEMPERATURE	OUT 9	AUX 2 CONTACTS (LEFT HAND SIDE OF DB)
IN 10	ENGINE LOCK OUT	OUT 10	AUX 3 CONTACTS (LEFT HAND SIDE OF DB)
IN 11	DELUGE VALVE	OUT 11	AUX 4 CONTACTS (LEFT HAND SIDE OF DB)
IN 12	REMOTE START	OUT 12	AUTOMATIC MODE CONTACTS
IN 13	LOW FUEL LEVEL	OUT 13	**DO NOT USE **
IN 14	AUX INPUT 1 / PRESSURE SWITCH	OUT 14	ENGINE RUN CONTACTS
IN 15	AUX INPUT 2 / LOW INTAKE	OUT 15	ENGINE RUN CONTACTS
IN 16	AUX INPUT 3 / FUEL TANK LEAK	OUT 16	PUMP ON DEMAND
IN 17	AUX INPUT 4/ FUEL INJECTOR FAULT	OUT 17	FAILED TO START
IN 18	AUX INPUT 5 / ECM SWITCH IN ALT.	OUT 18	SYSTEM FAULT CONTACTS
IN 19	AUX INPUT 6	OUT 19	AUX 5 CONTACTS
IN 20	AUX INPUT 7	OUT 20	AUX 6 CONTACTS
IN 21	AUX INPUT 8	OUT 21	AUX 7 CONTACTS
IN 22	AUX INPUT 9 / FAIL TO START	OUT 22	AUX 8 CONTACTS
IN 23	MANUAL MODE INPUT	OUT 23	AUX 9 CONTACTS
IN 24	AUTO MODE INPUT	OUT 24	AUX 10 CONTACTS (RIGHT HAND SIDE OF DB)
30	LOW OIL PRESSURE	LED1	<input type="checkbox"/> SYSTEM FAULT
31	GENERAL BATTERY FAULT	LED2	<input type="checkbox"/> BATTERY #1 HEALTHY
32	ENGINE QUIT ALARM	LED3	<input type="checkbox"/> BATTERY #2 HEALTHY
33	PRESSURE TRANSDUCER FAULT	LED4	<input type="checkbox"/> CHARGER #1 FAILURE
34	LOW INTAKE SHUTDOWN ALARM	LED5	<input type="checkbox"/> CHARGER #2 FAILURE
35	PUMP ON DEMAND	LED6	<input type="checkbox"/> AC POWER LOSS
36	SYSTEM FAULT	LED7	<input type="checkbox"/> ENGINE RUNNING
37	AUTO MODE	LED8	<input type="checkbox"/> ENGINE FAILED TO START
38	MANUAL MODE	LED9	<input type="checkbox"/> ENGINE LOW OIL PRESSURE
39	OFF MODE	LED10	<input type="checkbox"/> ENGINE HIGH WATER TEMP
40	ENGINE OVER SPEED	LED11	<input type="checkbox"/> ENGINE OVERSPEED
41	FAILED TO START	LED12	<input type="checkbox"/> LOW FUEL LEVEL
42	HIGH WATER TEMPERATURE		<input type="checkbox"/> LED13
43	AC POWER FAILURE		<input type="checkbox"/> LED14
44	BATTERY 1 FAILED		<input type="checkbox"/> LED15
45	BATTERY 2 FAILED		<input type="checkbox"/> LED16
46	CHARGER 1 FAILURE		<input type="checkbox"/> LED17
47	CHARGER 2 FAILURE		<input type="checkbox"/> LED18
48	GENERAL CHARGER FAILURE		<input type="checkbox"/> LED19
49	LOW FUEL LEVEL		<input type="checkbox"/> LED20
50	PRESSURE DROP EVENT		<input type="checkbox"/> LED21
51	HIGH SYSTEM PRESSURE		<input type="checkbox"/> LED22
52	LOW PRESSURE CONDITION		<input type="checkbox"/> LED23
53	ENGINE AUTO AVAILABLE		<input type="checkbox"/> LED24
54	CONTACTOR COIL FAILURE		
55	TEST MODE		
56	HI ZONE/ LOW ZONE MODE		
57	CONTACTOR COIL 1 FAILURE		
58	CONTACTOR COIL 2 FAILURE		
59	ENGINE RUNNI NG		
60	WEEKLY START DUE		
		61	DUMP VALVE
		62	ENGINE LOCKOUT
		63	START PRESSURE FAULT
		64	SD CARD NOT PRESENT
		65	SD CARD LOGGING FAULT
		66	COOLING LOOP SOLENOID ON
		67	LOCAL ALARM SOUNDER ON
		68	STARTED BY REMOTE START
		69	CRANK TIMER OEPRATING
		70	ENGINE FAULT *
		71	LOW COOLANT TEMPERATURE
		72	HIGH COOLANT TEMPERATURE
		73	DRAIN VALVE OPEN
		74	SWITCH IN ALTERNATE POSITION
		75	INJECTOR FAULT
		76	FUEL TANK LEAK
		77	SHUTDOWN IN TEST
		78	
	<b>Aux Alarm Text List Messages</b>		
0	AUXILIARY ALARM	17	AIR DAMPER OPEN
1	HIGH FUEL LEVEL	18	ALTERNATOR FAULT
2	FUEL SPILL	19	LOW GEAR OIL PRESS
3	FUEL TANK RUPTURE	20	LOW COOLANT LEVEL
4	LOW PUMP ROOM TEMP	21	HIGH GEAR OIL TEMP
5	RESERVOIR LOW	22	STARTER MOTOR FAULT
6	RESERVOIR EMPTY	23	LOW FUEL PRESSURE
7	RESERVOIR HIGH	24	PUMP ON DEMAND
8	FLOW METER ON	25	HIGH EXHAUST TEMP
9	RELIEF VALVE OPEN	26	HIGH FUEL TEMP
10	LOW SUCTION PRESSURE	27	PUMP ROOM DOOR AJAR
11	HIGH ENGINE OIL TEMP	28	ECM ALTERNATE
12	LOW JACKET WATER FLW	29	ECM FAILURE
13	LOW JACKET WATER LVL	30	HIGH SYSTEM PRESSURE
14	LOW HYDRAULIC PRESS	31	DUMP VALVE
15	LOW FIREWATER PRESS	32	SHUT DOWN IN TEST
16	AIR DAMPER CLOSED	33	USER ALARM TEXT

**USER PROGRAM CHART, V5.0**



FD4e

SERIAL NO:  
DATE:

CUSTOMER:

	PARAMETER	AUX 1	AUX 2	AUX 3	AUX 4	AUX 5	AUX 6	AUX 7	AUX 8	AUX 9	AUX 10	AUX 11	AUX 12	AUX 13	AUX14	AUX15	AUX16	AUX17	AUX18	AUX19	AUX20	
501	ENABLED																					
502	INPUT No.																					
503	INPUT CONTACT TYPE																					
504	TRIP TIME																					
505	RESET TIME																					
506	AUTO RESET ENABLED																					
507	HORN ENABLED																					
508	HORN SILENCE																					
509	LED NUMBER																					
510	OUTPUT 1 NUMBER																					
511	OUTPUT 2 NUMBER																					
512	OUTPUT 3 NUMBER																					
513	RECORD IN EVENT LOG																					
514	TEXT MESSAGE NUMBER																					
515	ENGINE RUN DEPENDENT																					
516	SHUTDOWN IN TEST																					
517	INCLUDE IN FIRST OUT																					