

## AUX USER PROGRAM DEFINITIONS



501 AUX USER PROGRAM  
AUX #1  
Enabled  
[ Yes ]

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 USER PROGRAM  
AUX #1  
Input Number  
[ 30 ]                      0-53

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 USER PROGRAM  
AUX #1  
Input contact type  
[ NO ]

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 USER PROGRAM  
AUX #1  
Trip Time  
[ 0 ] Sec                      0-999

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 USER PROGRAM  
AUX #1  
Reset Time  
[ 0 ] Sec                      0-999

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 USER PROGRAM  
AUX #1  
Auto reset enabled  
[ Yes ]

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 USER PROGRAM  
AUX #1  
Horn enabled  
[ Yes ]

If set to yes, this parameter will make the alarm activate when the output is on.

508 AUX USER PROGRAM  
AUX #1  
Horn silence  
[ Yes ]

If set to yes, this will make the alarm muteable when activated.

509 AUX USER PROGRAM  
AUX #1  
LED Number  
[ 0 ]                              0-24

This is the LED number, 1 to 24 for the output. If set to 0 then there is no LED output.

510 AUX USER PROGRAM  
AUX #1  
Output 1 Number  
[ 0 ]                              0-24

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 USER PROGRAM  
AUX #1  
Output 2 Number  
[ 0 ]                              0-24

512 AUX USER PROGRAM  
AUX #1  
Output 3 Number  
[ 0 ]                              0-24

513 AUX USER PROGRAM  
AUX #1  
Record in event Log  
[ NO ]

If set to yes then this event will be recorded in the event log.

514 AUX USER PROGRAM  
AUX #1  
Record in Alarm Log  
[ NO ]

If set to yes then this event will be recorded in the alarm log.

515 AUX USER PROGRAM  
AUX #1  
Text Message Number  
[ 0 ]                              0-27

This is the text message number for the event to be recorded in the event or alarm log.

516 AUX USER PROGRAM  
AUX #1  
Engine run dependent  
[ NO ]

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.

**FD4e INPUT / OUTPUT SCHEDULE**

INPUT	FUNCTION	OUTPUT	FUNCTION
IN 01	BATTERY 1	OUT 1	STARTED BATTERY
IN 02	BATTERY 2	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	AUTOMATIC MODE CONTACTS
IN 09	HIGH WATER TEMPERATURE	OUT 9	SYSTEM FAULT CONTACTS
IN 10	ENGINE LOCK OUT	OUT 10	ENGINE RUN CONTACTS
IN 11	DELUGE VALVE	OUT 11	AUX 1 CONTACTS
IN 12	REMOTE START	OUT 12	AUX 2 CONTACTS
IN 13	LOW FUEL LEVEL	OUT 13	AUX 3 CONTACTS
IN 14	AUX INPUT 1	OUT 14	AUX 4 CONTACTS
IN 15	AUX INPUT 2	OUT 15	AUX 5 CONTACTS
IN 16	AUX INPUT 3	OUT 16	AUX 6 CONTACTS
IN 17	AUX INPUT 4	OUT 17	AUX 7 CONTACTS
IN 18	AUX INPUT 5	OUT 18	AUX 8 CONTACTS
IN 19	AUX INPUT 6	OUT 19	AUX 9 CONTACTS
IN 20	AUX INPUT 7		
IN 21	AUX INPUT 8		
IN 22	AUX INPUT 9		
IN 24	AUX INPUT 10		
30	LOW OIL PRESSURE		
31	GENERAL BATTERY FAULT		
32	ENGINE QUIT ALARM		
33	PRESSURE TRANSDUCER FAULT		
34	LOW INTAKE SHUTDOWN ALARM		
35	PUMP ON DEMAND		
36	SYSTEM FAULT		
37	AUTO MODE		
38	MANUAL MODE		
39	OFF MODE		
40	ENGINE OVER SPEED		
41	FAILED TO START		
42	HIGH WATER TEMPERATURE		
43	AC POWER FAILURE		
44	BATTERY 1 FAILED		
45	BATTER 2 FAILED		
46	CHARGER 1 FAILURE		
47	CHARGER 2 FAILURE		
48	GENERAL CHARGER FAILURE		
49	LOW FUEL LEVEL		
50	PRESSURE DROP EVENT		
51	HIGH SYSTEM PRESSURE		
52	TEST MODE ON		
<b>LED ASSIGNMENTS</b>			
LED 1	<input type="checkbox"/> SYSTEM FAULT	<input type="checkbox"/>	LED 13
LED 2	<input type="checkbox"/> BATTERY #1 FAILURE	<input type="checkbox"/>	LED 14
LED 3	<input type="checkbox"/> BATTERY #2 FAILURE	<input type="checkbox"/>	LED 15
LED 4	<input type="checkbox"/> CHARGER #1 FAILURE	<input type="checkbox"/>	LED 16
LED 5	<input type="checkbox"/> CHARGER #2 FAILURE	<input type="checkbox"/>	LED 17
LED 6	<input type="checkbox"/> AC POWER LOSS	<input type="checkbox"/>	LED 18
LED 7	<input type="checkbox"/> ENGINE RUNNING	<input type="checkbox"/>	LED 19
LED 8	<input type="checkbox"/> ENGINE FAILED TO START	<input type="checkbox"/>	LED 20
LED 9	<input type="checkbox"/> ENGINE LOW OIL PRESSURE	<input type="checkbox"/>	LED 21
LED 10	<input type="checkbox"/> ENGINE HIGH WATER TEMP	<input type="checkbox"/>	LED 22
LED 11	<input type="checkbox"/> ENGINE OVERSPEED	<input type="checkbox"/>	LED 23
LED 12	<input type="checkbox"/> LOW FUEL LEVEL	<input type="checkbox"/>	PUMP ON DEMAND LED 24
	<b>Aux Alarm Text List Messages</b>		
0	AUXILIARY ALARM	16	AIR DAMPER CLOSED
1	HIGH FUEL LEVEL	17	AIR DAMPER OPEN
2	FUEL SPILL	18	LOW PRUGE RPESSURE
3	FUEL TANK RUPTURE	19	LOW GEAR OIL PRES
4	LOW PUMP ROOM TEMP	20	LOW COOLANT LEVEL
5	RESERVOIR LOW	21	HIGH GEAR OIL TEMP
6	RESERVOIR EMPTY	22	HIGH VIBRATION
7	RESERVOIR HIGH	23	LOW FUEL PRESSURE
8	FLOW METER ON	24	PUMP ON DEMAND
9	RELIEF VALVE OPEN	25	HIGH EXHAUST TEMP
10	LOW SUCTION PRESSURE	26	HIGH FUEL TEMP
11	HIGH ENGINE OIL TEMP	27	PUMP ROOM DOOR AJAR
12	LOW JACKET WATER FLW	28	ECM ALTERNATE
13	LOW JACKET WATER LVL	29	ECM FAILURE
14	LOW HYDRAULIC PRESS	30	HIGH SYSTEM PRESSURE
15	LOW FIREWATER PRESS		