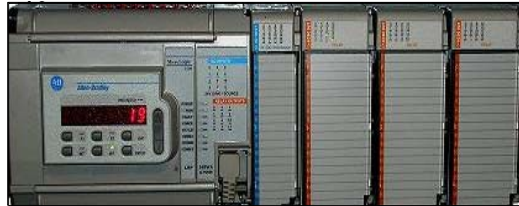




Model 8560.00.01

### Allen Bradley Micrologix 1500 Processor



#### INPUT 24VDC

Addr.	Description	Wire #	Addr.	Description	Wire #	Addr.	Description	Wire #
I:0/0	Reset Button	7	I:0/4	Vend 4	11	I:0/8	Diagnostics ACW	15
I:0/1	Vend 1	8	I:0/5	Test Run	12	I:0/9	Low Water Flt Sw	16
I:0/2	Vend 2	9	I:0/6	Hyd Low Level	13	I:0/10	ESP Side Sensor	17
I:0/3	Vend 3	10	I:0/7	Tank Level Flt Sw	14	I:0/11	SFR Low Level	18

#### OUTPUT MULTI VOLTAGE

Addr.	Description	Wire #	Addr.	Description	Wire #	Addr.	Description	Wire #
O:0/0	Money Acc Reset	50	O:0/4	Water Pump #1	54	O:0/8	Ent Door Open	58
O:0/1	Dryer	51	O:0/5	Water Pump #2	55	O:0/9	Ent Door Close	59
O:0/2	Hydraulic Pump	52	O:0/6	Spot Free Pump	56	O:0/10	Exit Door Open	60
O:0/3	ACW Inhibit	53	O:0/7	Spare	57	O:0/11	Exit Door Close	61

## Input / Output

## Assignments

#### INPUT 24VDC

Addr.	Description	Wire #	Addr.	Description	Wire #	Addr.	Description	Wire #	Addr.	Description	Wire #
I:1/0	Frt. Wand Home	19	I:1/4	Frt. Wand Ctu	23	I:1/8	Side Wand Ctu	27	I:1/12	Stp St/ESP Ext W	31
I:1/1	Main Br Home	20	I:1/5	Main Br Ctu	24	I:1/9	Length Optic	28	I:1/13	Stp St/ESP Ent W	32
I:1/2	Rear Br Home	21	I:1/6	Rear Br Ctu	25	I:1/10	ESP Ent Opt "B"	29	I:1/14	Optional UB Entry	33
I:1/3	Rear Wand Home	22	I:1/7	Rear Wand Ctu	26	I:1/11	ESP Exit Opt "B"	30	I:1/15	Dryer Control	34

#### OUTPUT 24VDC

Addr.	Description	Wire #	Addr.	Description	Wire #	Addr.	Description	Wire #	Addr.	Description	Wire #
O:2/0	Frt. Wand Home	62	O:2/4	Front Wand Ext	66	O:2/8	Rear Br Home	70	O:2/12	Rear Br Ext	74
O:2/1	MB Home Slow	63	O:2/5	MB Ext Slow	67	O:2/9	Rear Wand Home	71	O:2/13	Rear Wand Ext	75
O:2/2	MB Home Fast	64	O:2/6	MB Ext Fast	68	O:2/10	Frt/Rr BugBlaster	72	O:2/14	Side Blaster Vlv	76
O:2/3	Side Wand Home	65	O:2/7	Side Wand Ext	69	O:2/11	Spare	73	O:2/15	High Pressure Vlv	77

#### OUTPUT 24VDC

Addr.	Description	Wire #	Addr.	Description	Wire #	Addr.	Description	Wire #	Addr.	Description	Wire #
O:3/0	Presoak #1	78	O:3/4	Chemical Option 2	82	O:3/8	Spot Free Rinse	86	O:3/12	Underbody Vlv	90
O:3/1	Presoak #2	79	O:3/5	Chemical Option 3	83	O:3/9	Air Purge	87	O:3/13	Chem Bypass Vlv	91
O:3/2	Tire Cleaner	80	O:3/6	Chemical Option 1	84	O:3/10	Vlv 2 Opt 1 Inlet	88	O:3/14	Vlv 3 Opt 2 Inlet	92
O:3/3	Clear Coat	81	O:3/7	Triple Foam	85	O:3/11	Triple Foam Air	89	O:3/15	Vlv 4 Opt 3 Inlet	93

#### OUTPUT 24VDC

Addr.	Description	Wire #	Addr.	Description	Wire #	Addr.	Description	Wire #	Addr.	Description	Wire #
O4/0	Presoak Lt	94	O:4/4	Side Blaster Lt	98	O:4/8	Drive Forward Lt	102	O:4/12	Drive Forward Lt	106
O4/1	Soaking Light	95	O:4/5	Power Wash Lt	99	O:4/9	Stop Light	103	O:4/13	Wash in Progress	107
O4/2	Clear Coat Lt	96	O:4/6	Spot Free Lt	100	O:4/10	Back-up Lt	104	O:4/14	Rocker Entry Vlv	108
O4/3	Triple Foam Lt	97	O:4/7	Vlv 1 Tank Fill	101	O:4/11	Underbody Lt	105	O:4/15	Spare	109



## Data Table Access Module (DAT)

Model 8560.00.01



BIT	B22 Description	INT	N21 Description
0		0	1K Total Vends (thousands)
1	Entry U/C Inlet Water Off=Tank On=Other ( If 1 Must Set Bit 22 Also)	1	Total Vends (0-999)
2	Entrance Door Enable	2	1K Vend 1 (thousands)
3	Exit Door Enable	3	Total Vend 1 (0-999)
4	Vend Default	4	1K Vend 2 (thousands)
5	Vend Store	5	Total Vend 2 (0-999)
6	Spot Free Pump Toggle Bit ON=Big Pump OFF=Small Pump	6	1K Vend 3 (thousands)
7	Length Optic Control - 1=Optics Enabled 0=Optics Disabled	7	Total Vend 3 (0-999)
8	Air Purge Control - 1=ON 0=OFF	8	1K Vend 4 (thousands)
9	Vend 1 Dryer - 1=ON 0=OFF	9	Total Vend 4 (0-999)
10	Vend 2 Dryer - 1=ON 0=OFF	10	Side Wand Distance Ctrl Preset (Smaller the # further from car)
11	Vend 3 Dryer - 1=ON 0=OFF	11	Rear Car Adjust Preset
12	Vend 4 Dryer - 1=ON 0=OFF	12	Rear Bridge Counter Preset
13	Dryer OFF when HP ON 1=ON for Both 0=OFF for HP Only	13	Rear Bridge Counter Accumulated
14	SFR @ Exit - 1=ON 0=OFF Vend 1	14	MB / RB Distance Control Preset
15	SFR @ Exit - 1=ON 0=OFF Vend 2	15	Rear Car Adjust
16	SFR @ Exit - 1=ON 0=OFF Vend 3	16	Main Bridge Counter Accumulated
17	SFR @ Exit - 1=ON 0=OFF Vend 4	17	Front Wand Counter Preset
18	UC @ Entry Vend 1	18	Front Wand Counter Accumulated
19	UC @ Entry Vend 2	19	FW & RW past car on Divers Side Preset
20	UC @ Entry Vend 3	20	
21	UC @ Entry Vend 4	21	Rear Wand Counter Preset
22	UC @ Entry Off = Inlet Opt 1: On = Inlet Opt 2	22	Rear Wand Counter Accumulated
23	UC @ Entry Off = City Pressure ON=HP	23	Maximum Overall Timer Reset Value
24	UC @ Entry ON = Chem Option 1	24	Maximum Overall Timer Reset Storage
25	UC @ Entry ON = Soap	25	Cycle Start Timer Preset
26	Auto Dialer Control 1=ON 0=OFF	26	Cycle Start Timer Accumulated
27	Dryer Dat Bit 1=ON For MB Count Start, 0=Stop Pad Off Start	27	\$ Acceptor Reset Timer Preset
28	Side Wand Adjust 1="On", 0="Off"	28	Air Purge & SFR Timer Preset
29	Spot Free Using Big Pump & Booster Pump During Chemicals	29	FW & RW off during delay time
30	Enable Bit Moves Shorter Acc Value to Timer - Entrance UB Only	30	SFR Max. Run Time Preset
31	Money Acc Reset High with Money Acc When Integer 42 = 2	31	SFR OFF Control Preset
32	EnableUnder Body On Entry Uses OutPut O:3.0/12 Factory = 0	32	Side Wand Counter Accumulated
33	Enable Rocker On Entry Uses OutPut O:4.0/14 Factory = 0	33	Spot Free Inlet Valve (for using spotfree on chemicals) 1-4
34		34	Cnts from Home to Shut Down Pump On Last Pass Factory = 4
35		35	Cnts from Rear to Shut Down Pump On Last Pass Factory = 4
36		36	Dryer Max Time Preset
37	Toggle ESP/ Vtreadle 0 = V-Treadle 1 = ESP	37	Maximum Overall Timer Preset
38	Alt Entry Lite Logic 0 = Off 1 = On Factory = 0	38	Vend Entered @ Money Acceptor
39		39	Vend in Progress
40		40	Sequencer Step (Current)
41	Enable ENI Messaging	41	Step Selection / Cycle Type
42	Enable ENI Logic	42	ACW Selection 1=Standard, 2="On"Car In By
43	Dry Wash Bit 0 = Off 1 = On Factory = 0	43	
44	One Pump Toggle Bit 0 = Two Pump 1 = One Pumps	44	ESP Stop Light Delay Time Factory = 100
45	Toggle Ent Door Close Car Out of Bay & No Money	45	
46		46	Current Program Revision
47	Remote DAT 1=ON 0=OFF	47	Remote DAT Function

NOTE: "BIT" button on the D.A.T. to access address

Note: "INT" button on the D.A.T. to access address



## 8560 Remote Operation Menu

N21:47	Description	N21:47	Description
1	Hydraulic Pump	38	Wax Light
2	Front Wand Extend & Hydraulic Pump	39	Spot Free Rinse Light
3	Front Wand Home & Hydraulic Pump	40	Entrance Wash in Progress Light
4	Main Bridge Extend Slow & Hydraulic Pump	41	Entrance Drive Forward Light
5	Main Bridge Home Slow & Hydraulic Pump	42	Triple Foam Wax Light
6	Main Bridge Extend Fast & Hydraulic Pump	43	Entrance Door Open
7	Main Bridge Home Fast & Hydraulic Pump	44	Entrance Door Close
8	Side Wand Adjust In & Hydraulic Pump	45	Exit Door Open
9	Side Wand Home & Hydraulic Pump	46	Exit Door Close
10	Rear Bridge Extend & Hydraulic Pump	47	Money Acceptor Reset Output
11	Rear Bridge Home & Hydraulic Pump	48	Autodailer Output
12	Rear Wand Extend & Hydraulic Pump	49	Undercarriage Valve ONLY
13	Rear Wand Home & Hydraulic Pump	50	Rocker Spray Valve ONLY
14	Vlv 2 Opt 1 Inlet Valve ONLY	51	High Pressure Wash Valve ONLY
15	Vlv 3 Opt 2 Inlet Valve ONLY	52	Front Wand Extend Valve ONLY
16	Undercarriage, #1 Pump	53	Front Wand Home Valve ONLY
17	Undercarriage, #1 Pump, w/ Chem Opt 1	54	Main Bridge Extend Slow Valve ONLY
18	Rocker Spray, #1 Pump	55	Main Bridge Home Slow Valve ONLY
19	High Pressure Valve, #1 Pump	56	Main Bridge Extend Fast Valve ONLY
20	High Pressure Valve, #1 & #2 Pumps	57	Main Bridge Home Fast Valve ONLY
21	High Pressure Valve, #1 & #2 Pumps	58	Side Wand Adjust In Valve ONLY
22	Rocker Valve, #1 Pump & Soap	59	Side Wand Home Valve ONLY
23	High Pressure Valve, #1 & #2 Pumps & Wax	60	Rear Bridge Extend Valve ONLY
24	High Pressure Valve #2 Pump	61	Rear Bridge Home Valve ONLY
25	Presoak # 1	62	Rear Wand Extend Valve ONLY
26	Presoak # 2	63	Rear Wand Home Valve ONLY
27	Tire Cleaner	64	Soap Valve ONLY
28	Triple Foam Wax	65	Wax Valve ONLY
29	Spot Free Rinse	66	Chem Opt 1 Valve ONLY
30	Dryer	67	Vlv 2 Opt 1 Inlet Valve, Pressure Feed, High Pressure Valve
31	Air Purge	68	Vlv 3 Opt 2 Inlet Valve, Pressure Feed, High Pressure Valve
32	Drive Forward Light	69	Vlv 2 Opt 1 Inlet Valve, Pressure Feed, Rocker Spray Valve
33	Stop Light	70	Vlv 3 Opt 2 Inlet Valve, Pressure Feed, Rocker Spray Valve
34	Presoak Light / Soaking Light	71	Vlv 2 Opt 1 Inlet Valve, Pressure Feed, Undercarriage Valve
35	Rocker/Undercarriage Light	72	Vlv 3 Opt 2 Inlet Valve, Pressure Feed, Undercarriage Valve
36	Wash/Rinse Light	73	Main Bridge Extend Slow, Fast & Hydraulic Pump
37	Back-up Light	74	Main Bridge Home Slow, Fast & Hydraulic Pump

**IN ORDER TO USE THE REMOTE FUNCTION CAPABILITIES, YOU MUST FOLLOW THESE STEPS:**

1. On the DAT Press the "INT" button
2. With the left two numbers flashing use the UP/DOWN key to scroll to the number "47".
3. With the left two numbers "47" and flashing press the "ENTER" button. Now the right digits will start flashing. Using the UP/DOWN key scroll to the desired function number from the above list. When the desired number is displayed press the "ENTER"
4. To activate and deactivate the function press the "BIT" Button. With the left two digits flashing press the UP/DOWN key and scroll to number "47" press "ENTER".
5. "BIT" 47 will show if the function is "ON" or "OFF". To change the state of the desired function press the "ENTER" key and ON/OFF will begin to flash. When flashing press the "UP/DOWN" key to scroll between ON and OFF. Press "ENTER" to activate/deac
6. To deactivate the Remote Function press the "RESET" button located on the front of the Control Panel.



## Fault Code 8560 Description

<b>Fault Code DTAM Micro</b>	<b>Fault Description</b>	<b>DAT INT</b>
8530-001	Fault - Front Wand Count Up Prox Switch	160
8530-002	Fault - Main Bridge Count Up Prox Switch	161
8530-003	Fault - Rear Bridge Count Up Prox Switch	162
8530-004	Fault - Rear Wand Count Up Prox Switch	163
8530-005	Fault - Rear Wand Safety Switch	164
8530-006	Fault - Side Wand Safety Switch	165
8530-007	Fault - Side Wand Prox Count Up Failure	166
8530-008	Fault - Vehicle to long in wash bay	167
8530-009	Fault - Length Optics Failure 5 out of 10 Times	168
8530-010	Fault - Width Optics Failure 5 out of 10 Times	169
8530-011	Fault - Maximum Overall Time	170
8530-012	Fault - Automatic System Reset	171
8530-013	Fault - Auto System Reset after 5 minutes	172
8530-014	Fault - Vehicle Left the Stop Station Early	173
8530-015	Fault - Vehicle Not Detected in Wash Bay Optic Failure	174
8530-016	Fault - Stop Station Switch Not Working	175
8530-017	Fault - ACW Diagnostics Signal Not Returned	176
8530-018	Fault - Low Level Hydraulic Fluid	177
8530-019	Fault - Low Level Cold Water	178
8530-020	Fault - Front Wand is NOT HOME	179
8530-021	Fault - Main Bridge is NOT HOME	180
8530-022	Fault - Rear Bridge is NOT HOME	181
8530-023	Fault - Rear Wand is NOT HOME	182
8530-024	Fault - Low Level Spot Free Rinse	183