

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #1				
Bay #1 I/O (CPU1)				
000001	Bay #1 Timed Output	1	100001	Bay #1 Coin Input
000002	Bay #1 T/C Sol.	2	100002	Bay #1 T/C
000003	Bay #1 Presoak Sol.	3	100003	Bay #1 Presoak
000004	Bay #1 Soap	4	100004	Bay #1 Soap
000005	Bay #1 Foaming Brush	5	100005	Bay #1 Foaming Brush
000006	Bay #1 Rinse	6	100006	Bay #1 Rinse
000007	Bay #1 Wax	7	100007	Bay #1 Wax
000008	Bay #1 Spot-Free Rinse	8	100008	Bay #1 Spot-Free Rinse
000009	Bay #1 Lockout	9	100009	Bay #1 Pressure
000010	Bay #1 Horn Beep	10	100010	Bay #1 Loop Input
000011	Bay #1 Low Pressure Weep Ctrl.	11	100011	Bay #1 Token Input
000012	Bay #1 Aux. Output	12	100012	Bay #1 Aux Input
000013	Bay #1 Cold Water Rinse	13	100013	
000014	Bay #1 Foaming Brush Blowout	14	100014	
000015	Bay #1 Quarter/Card Coin Pulse	15	100015	
000016	Bay #1 Coin Vac Output	16	100016	SS Low Water Cutoff CPU #1
Modbus Plus Node #2				
Bay #2 I/O (CPU1)				
000017	Bay #2 Timed Output	1	100017	Bay #2 Coin Input
000018	Bay #2 T/C Sol.	2	100018	Bay #2 T/C
000019	Bay #2 Presoak Sol.	3	100019	Bay #2 Presoak
000020	Bay #2 Soap	4	100020	Bay #2 Soap
000021	Bay #2 Foaming Brush	5	100021	Bay #2 Foaming Brush
000022	Bay #2 Rinse	6	100022	Bay #2 Rinse
000023	Bay #2 Wax	7	100023	Bay #2 Wax
000024	Bay #2 Spot-Free Rinse	8	100024	Bay #2 Spot-Free Rinse
000025	Bay #2 Lockout	9	100025	Bay #2 Pressure
000026	Bay #2 Horn Beep	10	100026	Bay #2 Loop Input
000027	Bay #2 Low Pressure Weep Ctrl.	11	100027	Bay #2 Token Input
000028	Bay #2 Aux. Output	12	100028	Bay #2 Aux Input
000029	Bay #2 Cold Water Rinse	13	100029	
000030	Bay #2 Foaming Brush Blowout	14	100030	
000031	Bay #2 Quarter/Card Coin Pulse	15	100031	
000032	Bay #2 Coin Vac Output	16	100032	

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #3				
Bay #3 I/O (CPU1)				
000033	Bay #3 Timed Output	1	100033	Bay #3 Coin Input
000034	Bay #3 T/C Sol.	2	100034	Bay #3 T/C
000035	Bay #3 Presoak Sol.	3	100035	Bay #3 Presoak
000036	Bay #3 Soap	4	100036	Bay #3 Soap
000037	Bay #3 Foaming Brush	5	100037	Bay #3 Foaming Brush
000038	Bay #3 Rinse	6	100038	Bay #3 Rinse
000039	Bay #3 Wax	7	100039	Bay #3 Wax
000040	Bay #3 Spot-Free Rinse	8	100040	Bay #3 Spot-Free Rinse
000041	Bay #3 Lockout	9	100041	Bay #3 Pressure
000042	Bay #3 Horn Beep	10	100042	Bay #3 Loop Input
000043	Bay #3 Low Pressure Weep Ctrl.	11	100043	Bay #3 Token Input
000044	Bay #3 Aux. Output	12	100044	Bay #3 Aux Input
000045	Bay #3 Cold Water Rinse	13	100045	
000046	Bay #3 Foaming Brush Blowout	14	100046	
000047	Bay #3 Quarter/Card Coin Pulse	15	100047	
000048	Bay #3 Coin Vac Output	16	100048	
Modbus Plus Node #4				
Bay #4 I/O (CPU1)				
000049	Bay #4 Timed Output	1	100049	Bay #4 Coin Input
000050	Bay #4 T/C Sol.	2	100050	Bay #4 T/C
000051	Bay #4 Presoak Sol.	3	100051	Bay #4 Presoak
000052	Bay #4 Soap	4	100052	Bay #4 Soap
000053	Bay #4 Foaming Brush	5	100053	Bay #4 Foaming Brush
000054	Bay #4 Rinse	6	100054	Bay #4 Rinse
000055	Bay #4 Wax	7	100055	Bay #4 Wax
000056	Bay #4 Spot-Free Rinse	8	100056	Bay #4 Spot-Free Rinse
000057	Bay #4 Lockout	9	100057	Bay #4 Pressure
000058	Bay #4 Horn Beep	10	100058	Bay #4 Loop Input
000059	Bay #4 Low Pressure Weep Ctrl.	11	100059	Bay #4 Token Input
000060	Bay #4 Aux. Output	12	100060	Bay #4 Aux Input
000061	Bay #4 Cold Water Rinse	13	100061	
000062	Bay #4 Foaming Brush Blowout	14	100062	
000063	Bay #4 Quarter/Card Coin Pulse	15	100063	
000064	Bay #4 Coin Vac Output	16	100064	

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #5				
Bay #5 I/O (CPU2)				
000001	Bay #5 Timed Output	1	100001	Bay #5 Coin Input
000002	Bay #5 T/C Sol.	2	100002	Bay #5 T/C
000003	Bay #5 Presoak Sol.	3	100003	Bay #5 Presoak
000004	Bay #5 Soap	4	100004	Bay #5 Soap
000005	Bay #5 Foaming Brush	5	100005	Bay #5 Foaming Brush
000006	Bay #5 Rinse	6	100006	Bay #5 Rinse
000007	Bay #5 Wax	7	100007	Bay #5 Wax
000008	Bay #5 Spot-Free Rinse	8	100008	Bay #5 Spot-Free Rinse
000009	Bay #5 Lockout	9	100009	Bay #5 Pressure
000010	Bay #5 Horn Beep	10	100010	Bay #5 Loop Input
000011	Bay #5 Low Pressure Weep Ctrl.	11	100011	Bay #5 Token Input
000012	Bay #5 Aux. Output	12	100012	Bay #5 Aux Input
000013	Bay #5 Cold Water Rinse	13	100013	SS Low Pressure Wax Select
000014	Bay #5 Foaming Brush Blowout	14	100014	
000015	Bay #5 Quarter/Card Coin Pulse	15	100015	
000016	Bay #5 Coin Vac Output	16	100016	SS Low Water Cutoff CPU #2
Modbus Plus Node #6				
Bay #6 I/O (CPU2)				
000017	Bay #6 Timed Output	1	100017	Bay #6 Coin Input
000018	Bay #6 T/C Sol.	2	100018	Bay #6 T/C
000019	Bay #6 Presoak Sol.	3	100019	Bay #6 Presoak
000020	Bay #6 Soap	4	100020	Bay #6 Soap
000021	Bay #6 Foaming Brush	5	100021	Bay #6 Foaming Brush
000022	Bay #6 Rinse	6	100022	Bay #6 Rinse
000023	Bay #6 Wax	7	100023	Bay #6 Wax
000024	Bay #6 Spot-Free Rinse	8	100024	Bay #6 Spot-Free Rinse
000025	Bay #6 Lockout	9	100025	Bay #6 Pressure
000026	Bay #6 Horn Beep	10	100026	Bay #6 Loop Input
000027	Bay #6 Low Pressure Weep Ctrl.	11	100027	Bay #6 Token Input
000028	Bay #6 Aux. Output	12	100028	Bay #6 Aux Input
000029	Bay #6 Cold Water Rinse	13	100029	
000030	Bay #6 Foaming Brush Blowout	14	100030	
000031	Bay #6 Quarter/Card Coin Pulse	15	100031	
000032	Bay #6 Coin Vac Output	16	100032	

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #7				
Bay #7 I/O (CPU2)				
000033	Bay #7 Timed Output	1	100033	Bay #7 Coin Input
000034	Bay #7 T/C Sol.	2	100034	Bay #7 T/C
000035	Bay #7 Presoak Sol.	3	100035	Bay #7 Presoak
000036	Bay #7 Soap	4	100036	Bay #7 Soap
000037	Bay #7 Foaming Brush	5	100037	Bay #7 Foaming Brush
000038	Bay #7 Rinse	6	100038	Bay #7 Rinse
000039	Bay #7 Wax	7	100039	Bay #7 Wax
000040	Bay #7 Spot-Free Rinse	8	100040	Bay #7 Spot-Free Rinse
000041	Bay #7 Lockout	9	100041	Bay #7 Pressure
000042	Bay #7 Quarter Accept Beep	10	100042	Bay #7 Loop Input
000043	Bay #7 Low Pressure Weep Ctrl.	11	100043	Bay #7 Token Input
000044	Bay #7 Aux. Output	12	100044	Bay #7 Aux Input
000045	Bay #7 Cold Water Rinse	13	100045	
000046	Bay #7 Foaming Brush Blowout	14	100046	
000047	Bay #7 Quarter/Card Coin Pulse	15	100047	
000048	Bay #7 Coin Vac Output	16	100048	
Modbus Plus Node #8				
Bay #8 I/O (CPU2)				
000049	Bay #8 Timed Output	1	100049	Bay #8 Coin Input
000050	Bay #8 T/C Sol.	2	100050	Bay #8 T/C
000051	Bay #8 Presoak Sol.	3	100051	Bay #8 Presoak
000052	Bay #8 Soap	4	100052	Bay #8 Soap
000053	Bay #8 Foaming Brush	5	100053	Bay #8 Foaming Brush
000054	Bay #8 Rinse	6	100054	Bay #8 Rinse
000055	Bay #8 Wax	7	100055	Bay #8 Wax
000056	Bay #8 Spot-Free Rinse	8	100056	Bay #8 Spot-Free Rinse
000057	Bay #8 Lockout	9	100057	Bay #8 Pressure
000058	Bay #8 Quarter Accept Beep	10	100058	Bay #8 Loop Input
000059	Bay #8 Low Pressure Weep Ctrl.	11	100059	Bay #8 Token Input
000060	Bay #8 Aux. Output	12	100060	Bay #8 Aux Input
000061	Bay #8 Cold Water Rinse	13	100061	
000062	Bay #8 Foaming Brush Blowout	14	100062	
000063	Bay #8 Quarter/Card Coin Pulse	15	100063	
000064	Bay #8 Coin Vac Output	16	100064	

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #9				
Bay #9 I/O (CPU3)				
000001	Bay #9 Timed Output	1	100001	Bay #9 Coin Input
000002	Bay #9 T/C Sol.	2	100002	Bay #9 T/C
000003	Bay #9 Presoak Sol.	3	100003	Bay #9 Presoak
000004	Bay #9 Soap	4	100004	Bay #9 Soap
000005	Bay #9 Foaming Brush	5	100005	Bay #9 Foaming Brush
000006	Bay #9 Rinse	6	100006	Bay #9 Rinse
000007	Bay #9 Wax	7	100007	Bay #9 Wax
000008	Bay #9 Spot-Free Rinse	8	100008	Bay #9 Spot-Free Rinse
000009	Bay #9 Lockout	9	100009	Bay #9 Pressure
000010	Bay #9 Quarter Accept Beep	10	100010	Bay #9 Loop Input
000011	Bay #9 Low Pressure Weep Ctrl.	11	100011	Bay #9 Token Input
000012	Bay #9 Aux. Output	12	100012	Bay #9 Aux Input
000013	Bay #9 Cold Water Rinse	13	100013	
000014	Bay #9 Foaming Brush Blowout	14	100014	
000015	Bay #9 Quarter/Card Coin Pulse	15	100015	
000016	Bay #9 Coin Vac Output	16	100016	SS Low Water Cutoff CPU #3
Modbus Plus Node #10/CPU 2				
Aux. I/O				
000241		1	100241	
000242		2	100242	
000243		3	100243	
000244		4	100244	
000245		5	100245	
000246		6	100246	
000247	Auto Weep	7	100247	SS L.P. Wax Select
000248	Self-Service Weep	8	100248	Dryer Off Controls Wash Load
000249		9	100249	
000250		10	100250	
000251		11	100251	Special Car Sizing Select
000252		12	100252	New Voice Stack Decrement *
000253	h	13	100253	Voice Stack Decrement *
000254		14	100254	
000255	Reclaim Control Output	15	100255	Reclaim Operation Select
000256		16	100256	Auto Reset
		NOTE:		
		Programming actual inputs for this node require the use of _1002XX references.		

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #11				
Vacuums (CPU #1)				
000161	Vacuum # 1 Output	1	100161	Vacuum # 1 Coin Input
000162	Vacuum # 2 Output	2	100162	Vacuum # 2 Coin Input
000163	Vacuum # 3 Output	3	100163	Vacuum # 3 Coin Input
000164	Vacuum # 4 Output	4	100164	Vacuum # 4 Coin Input
000165	Vacuum # 5 Output	5	100165	Vacuum # 5 Coin Input
000166	Vacuum # 6 Output	6	100166	Vacuum # 6 Coin Input
000167	Vacuum # 7 Output	7	100167	Vacuum # 7 Coin Input
000168	Vacuum # 8 Output	8	100168	Vacuum # 8 Coin Input
000169		9	100169	
000170		10	100170	
000171		11	100171	
000172		12	100172	
000173		13	100173	
000174		14	100174	
000175		15	100175	
000176		16	100176	
Modbus Plus Node #12				
Voice Output Control (CPU #1)				
000177	Voice Output Control Bay 1	1	100177	
000178	Voice Output Control Bay 2	2	100178	
000179	Voice Output Control Bay 3	3	100179	
000180	Voice Output Control Bay 4	4	100180	
000181	Voice Output Control Bay 5	5	100181	
000182	Voice Output Control Bay 6	6	100182	
000183		7	100183	
000184		8	100184	
000185		9	100185	
000186		10	100186	
000187		11	100187	
000188		12	100188	
000189	Auto # 1 Voice Control	13	100189	
000190	Auto # 2 Voice Control	14	100190	
000191		15	100191	
000192		16	100192	

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #13				
Self-Serve Aux I/O (CPU #1)				
000193		1	100193	
000194		2	100194	
000195		3	100195	
000196		4	100196	
000197		5	100197	
000198		6	100198	
000199		7	100199	
000200		8	100200	
000201		9	100201	
000202	Low Pressure Wax Pump	10	100202	
000203	Aux. SS Pump or Control	11	100203	
000204	Chemical Hydrominder Pump	12	100204	
000205	Tire Cleaner Air Sol.	13	100205	
000206	Foam Brush Sol.	14	100206	
000207	SS Presoak Pump	15	100207	
000208	SS Spot-Free Pump	16	100208	
Modbus Plus Node #14				
Our Autocashier # 1 (CPU #1)				
000209	Stacker Start	1	100209	1\$ Input
000210	Coin Hopper Drive	2	100210	5\$ Input
000211	System Inhibit	3	100211	Quarter Input
000212	Condition Light	4	100212	Token Input
000213	Credit Card Pulse	5	100213	Coin Drop Input
000214	Auto Refund Button	6	100214	Refund
000215	Auto Wash 1 Button	7	100215	ACW # 1 Input
000216	Auto Wash 2 Button	8	100216	ACW # 2 Input
000217	Auto Wash 3 Button	9	100217	ACW # 3 Input
000218	Auto Wash 4 Button	10	100218	ACW # 4 Input
000219	Dryer Soft Start #1	11	100219	Stacker Busy
000220	Dryer Soft Start #2	12	100220	Card Transfer
000221	Dryer Soft Start #3	13	100221	ACW Inhibited
000222	Dryer Soft Start #4	14	100222	Mars Validator Select
000223		15	100223	
000224		16	100224	Credit Load Thru ACW

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #15				
Our Autocashier # 2 (CPU #2)				
000209	Stacker Start	1	100209	1\$ Input
000210	Coin Hopper Drive	2	100210	5\$ Input
000211	System Inhibit	3	100211	Quarter Input
000212	Condition Light	4	100212	Token Input
000213	Credit Card Pulse	5	100213	Coin Drop Input
000214	Auto Refund Button	6	100214	Refund
000215	Auto Wash 1 Button	7	100215	ACW # 1 Input
000216	Auto Wash 2 Button	8	100216	ACW # 2 Input
000217	Auto Wash 3 Button	9	100217	ACW # 3 Input
000218	Auto Wash 4 Button	10	100218	ACW # 4 Input
000219	Dryer Soft Start #1	11	100219	Stacker Busy
000220	Dryer Soft Start #2	12	100220	Card Transfer
000221	Dryer Soft Start #3	13	100221	ACW Inhibited
000222	Dryer Soft Start #4	14	100222	Mars Validator Select
000223		15	100223	
000224		16	100224	Credit Load Thru ACW
Modbus Plus Node # 16/CPU 1				
Temperature & Aux. I/O				
000241	Boiler Water #1	1	100241	T/C Chemical Level Input
000242	Boiler Water #2	2	100242	Presoak Chemical Level Input
000243	Boiler Water #3	3	100243	Soap Chemical Level Input
000244	Boiler Water #4	4	100244	Wax Chemical Level Input
000245	Floor Heat Boiler	5	100245	F/B Chemical Level Input
000246	Floor Heat Pump	6	100246	
000247	Auto Weep	7	100247	SS L.P. Wax Select
000248	Self-Service Weep	8	100248	Dryer Off Controls Wash Load
000249		9	100249	
000250		10	100250	
000251		11	100251	Special Car Sizing Select
000252	Critical Eq. Room Temp Output	12	100252	New Voice Stack Decrement
000253	Voice Acknowledge Bit	13	100253	Voice Stack Decrement
000254		14	100254	Air Pressure Control Select
000255	Reclaim Control Output	15	100255	Reclaim Operation Select
000256	Alarm Callout	16	100256	Auto Reset
		NOTE:		
		Programming actual inputs for this node require the use of _1002XX references.		

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #17				
Main Automatic #1 (CPU #1)				
000257	Entrance Red/Green	1	100257	Automatic Reset
000258	Exit Red/Green	2	100258	Wash #1
000259	Low Pressure Soap	3	100259	Wash #2
000260	U.C. Sol.	4	100260	Wash #3
000261	Presoak Sol.	5	100261	Wash #4
000262	Soap Sol.	6	100262	Wheel Wash Sw.
000263	Wax Sol.	7	100263	Treadle Sw.
000264	Spot-Free Rinse Sol.	8	100264	Limit Sw.
000265	High Pressure Pump	9	100265	ACW Voice Input
000266	Tower Wands	10	100266	Pressure Sw.
000267	Tower Sol.	11	100267	Loop Input
000268	Floor Sol.	12	100268	Select Presoak on Wheel Wash
000269	ACW Reset	13	100269	SS Spot-Free Pump Transfer
000270	Enterlink Reset	14	100270	SS Presoak Pump Transfer
000271	Low Pressure Wax Output	15	100271	Low Pressure Wax Select
000272		16	100272	
Modbus Plus Node #18				
Main Automatic #2 (CPU #2)				
000257	Entrance Red/Green	1	100257	Automatic Reset
000258	Exit Red/Green	2	100258	Wash #1
000259	Low Pressure Soap	3	100259	Wash #2
000260	U.C. Sol.	4	100260	Wash #3
000261	Presoak Sol.	5	100261	Wash #4
000262	Soap Sol.	6	100262	Wheel Wash Sw.
000263	Wax Sol.	7	100263	Treadle Sw.
000264	Spot-Free Rinse Sol.	8	100264	Limit Sw.
000265	High Pressure Pump	9	100265	ACW Voice Input
000266	Tower Wands	10	100266	Pressure Sw.
000267	Tower Sol.	11	100267	Loop Input
000268	Floor Sol.	12	100268	Select Presoak on Wheel Wash
000269	ACW Reset	13	100269	SS Spot-Free Pump Transfer
000270	Enterlink Reset	14	100270	SS Presoak Pump Transfer
000271	Low Pressure Wax Output	15	100271	Low Pressure Wax Select
000272		16	100272	

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #19				
Option Automatic #1 (CPU #1)				
000289		1	100289	Fluid Module Low Water Cutoff
000290	Auto Air Blowout	2	100290	Fluid Module Water On
000291	Wheel Bump	3	100291	Fluid Module High Water Off
000292	Dryer Output	4	100292	Rinse Module Low Water Cutoff
000293	Auto Presoak Pump	5	100293	Rinse Module Water On
000294	Auto Spot-free Pump	6	100294	Rinse Module High Water Off
000295	Entrance Door Open	7	100295	Low Water Cutoff Transfer to SS
000296	Entrance Door Closed	8	100296	Early Dryer Off Select
000297	Exit Door Open	9	100297	Entry Door Close Block
000298	Exit Door Closed	10	100298	Exit Door Close Block
000299	Fluid Module Sol.	11	100299	
000300	Rinse Tank Sol.	12	100300	
000301	Fluid Module Pump	13	100301	
000302	Triple Foamer Products	14	100302	Rear Limit Washing
000303	Triple Foamer Air	15	100303	Front Limit Washing
000304	Air Assist for Low Pressure	16	100304	
Modbus Plus Node #20				
Auto Drive #1 (CPU #1)				
000305	VFD # 1 L1*--Carriage	1	100305	Flash Enter Light
000306	VFD # 1 L2*--Carriage	2	100306	Front Photo Eye
000307	VFD # 1 L3*--Carriage	3	100307	Rear Photo Eye
000308	VFD # 2 L1*--Tower	4	100308	Prox. #1
000309	VFD # 2 L2*--Tower	5	100309	Prox. #2
000310	VFD # 2 L3*--Tower	6	100310	Prox. #3
000311		7	100311	Prox. #4
000312	Enter Light	8	100312	Lapswitch
000313	Stop Light	9	100313	Encoder
000314	Presoak Light (Out 277)	10	100314	Front Limit
000315	Soap Light (Out 278)	11	100315	Rear Limit
000316	Rinse Light (Out 321)	12	100316	
000317	Wax Light (Out 279)	13	100317	
000318	Spot-Free Rinse Light (Out 280)	14	100318	
000319	Exit Light (Out 322)	15	100319	
000320	Back-Up Light	16	100320	Backup Light Input
* = NOTE				
Forward Slow = L1				
Reverse Slow = L2				
Forward Fast = L1 & L3				

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #21				
Option Automatic #2 (CPU #2)				
000289		1	100289	Fluid Module Low Water Cutoff
000290	Auto Air Blowout	2	100290	Fluid Module Water On
000291	Wheel Bump	3	100291	Fluid Module High Water Off
000292	Dryer Output	4	100292	Rinse Module Low Water Cutoff
000293	Auto Presoak Pump	5	100293	Rinse Module Water On
000294	Auto Spot-free Pump	6	100294	Rinse Module High Water Off
000295	Entrance Door Open	7	100295	Low Water Cutoff Transfer to SS
000296	Entrance Door Closed	8	100296	Early Dryer Off Select
000297	Exit Door Open	9	100297	Entry Door Close Block
000298	Exit Door Closed	10	100298	Exit Door Close Block
000299	Fluid Module Sol.	11	100299	
000300	Rinse Tank Sol.	12	100300	
000301	Fluid Module Pump	13	100301	
000302	Triple Foamer Products	14	100302	Rear Limit Washing
000303	Triple Foamer Air	15	100303	Front Limit Washing
000304	Air Assist for Low Pressure	16	100304	
Modbus Plus Node #22				
Auto Drive #2 (CPU #2)				
000305	VFD # 1 L1*--Carriage	1	100305	Flash Enter Light
000306	VFD # 1 L2*--Carriage	2	100306	Front Photo Eye
000307	VFD # 1 L3*--Carriage	3	100307	Rear Photo Eye
000308	VFD # 2 L1*--Tower	4	100308	Prox. #1
000309	VFD # 2 L2*--Tower	5	100309	Prox. #2
000310	VFD # 2 L3*--Tower	6	100310	Prox. #3
000311		7	100311	Prox. #4
000312	Enter Light	8	100312	Lapswitch
000313	Stop Light	9	100313	Encoder
000314	Presoak Light (Out 277)	10	100314	Front Limit
000315	Soap Light (Out 278)	11	100315	Rear Limit
000316	Rinse Light (Out 321)	12	100316	
000317	Wax Light (Out 279)	13	100317	
000318	Spot-Free Rinse Light (Out 280)	14	100318	
000319	Exit Light (Out 322)	15	100319	
000320	Back-Up Light	16	100320	Backup Light Input
* = NOTE				
Forward Slow = L1				
Reverse Slow = L2				
Forward Fast = L1 & L3				

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #23				
Fixed Rail Auto 1 (CPU #1)				
000353		1	100353	Flash Enter Light
000354		2	100354	Fixed Track Select
000355		3	100355	
000356	VFD # 2 L1*--Tower	4	100356	
000357	VFD # 2 L2*--Tower	5	100357	
000358	VFD # 2 L3*--Tower	6	100358	
000359		7	100359	
000360	Enter Light	8	100360	
000361	Stop Light	9	100361	
000362	Presoak Light (Out 277)	10	100362	
000363	Soap Light (Out 278)	11	100363	
000364	Rinse Light (Out 321)	12	100364	
000365	Wax Light (Out 279)	13	100365	
000366	Spot-Free Rinse Light (Out 280)	14	100366	
000367	Exit Light (Out 322)	15	100367	
000368	Back-Up Light	16	100368	Backup Light Input
Modbus Plus Node #24				
Fixed Rail Auto 2 (CPU #2)				
000353		1	100353	Flash Enter Light
000354		2	100354	Fixed Track Select
000355		3	100355	
000356	VFD # 2 L1*--Tower	4	100356	
000357	VFD # 2 L2*--Tower	5	100357	
000358	VFD # 2 L3*--Tower	6	100358	
000359		7	100359	
000360	Enter Light	8	100360	
000361	Stop Light	9	100361	
000362	Presoak Light (Out 277)	10	100362	
000363	Soap Light (Out 278)	11	100363	
000364	Rinse Light (Out 321)	12	100364	
000365	Wax Light (Out 279)	13	100365	
000366	Spot-Free Rinse Light (Out 280)	14	100366	
000367	Exit Light (Out 322)	15	100367	
000368	Back-Up Light	16	100368	Backup Light Input

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
	Modbus Plus Node #25			
000369		1	100369	
000370		2	100370	
000371		3	100371	
000372		4	100372	
000373		5	100373	
000374		6	100374	
000375		7	100375	
000376		8	100376	
000377		9	100377	
000378		10	100378	
000379		11	100379	
000380		12	100380	
000381		13	100381	
000382		14	100382	
000383		15	100383	
000384		16	100384	
	Modbus Plus Node #26			
000385		1	100385	
000386		2	100386	
000387		3	100387	
000388		4	100388	
000389		5	100389	
000390		6	100390	
000391		7	100391	
000392		8	100392	
000393		9	100393	
000394		10	100394	
000395		11	100395	
000396		12	100396	
000397		13	100397	
000398		14	100398	
000399		15	100399	
000400		16	100400	

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #28				
32 bit Output Module (CPU #1)				
Version 5.X Voice Control				
000417	Message 1 Control	1 17	000433	Message 17 Control
000418	Message 2 Control	2 18	000434	Message 18 Control
000419	Message 3 Control	3 19	000435	
000420	Message 4 Control	4 20	000436	
000421	Message 5 Control	5 21	000437	Bay # 1 Voice Output
000422	Message 6 Control	6 22	000438	Bay # 2 Voice Output
000423	Message 7 Control	7 23	000439	Bay # 3 Voice Output
000424	Message 8 Control	8 24	000440	Bay # 4 Voice Output
000425	Message 9 Control	9 25	000441	Automatic 1 Voice Output
000426	Message 10 Control	10 26	000442	
000427	Message 11 Control	11 27	000443	
000428	Message 12 Control	12 28	000444	
000429	Message 13 Control	13 29	000445	
000430	Message 14 Control	14 30	000446	
000431	Message 15 Control	15 31	000447	
000432	Message 16 Control	16 32	000448	
Modbus Plus Node #29				
32 bit Output Module (CPU #2)				
Version 5.X Voice Control				
000417	Message 1 Control	1 17	000433	Message 17 Control
000418	Message 2 Control	2 18	000434	Message 18 Control
000419	Message 3 Control	3 19	000435	
000420	Message 4 Control	4 20	000436	
000421	Message 5 Control	5 21	000437	Bay # 5 Voice Output
000422	Message 6 Control	6 22	000438	Bay # 6 Voice Output
000423	Message 7 Control	7 23	000439	Bay # 7 Voice Output
000424	Message 8 Control	8 24	000440	Bay # 8 Voice Output
000425	Message 9 Control	9 25	000441	Automatic 2 Voice Output
000426	Message 10 Control	10 26	000442	
000427	Message 11 Control	11 27	000443	
000428	Message 12 Control	12 28	000444	
000429	Message 13 Control	13 29	000445	
000430	Message 14 Control	14 30	000446	
000431	Message 15 Control	15 31	000447	
000432	Message 16 Control	16 32	000448	

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #33				
Bay #10 I/O (CPU #3)				
000017	Bay #10 Timed Output	1	100017	Bay #10 Coin Input
000018	Bay #10 T/C Sol.	2	100018	Bay #10 T/C
000019	Bay #10 Presoak Sol.	3	100019	Bay #10 Presoak
000020	Bay #10 Soap	4	100020	Bay #10 Soap
000021	Bay #10 Foaming Brush	5	100021	Bay #10 Foaming Brush
000022	Bay #10 Rinse	6	100022	Bay #10 Rinse
000023	Bay #10 Wax	7	100023	Bay #10 Wax
000024	Bay #10 Spot-Free Rinse	8	100024	Bay #10 Spot-Free Rinse
000025	Bay #10 Lockout	9	100025	Bay #10 Pressure
000026	Bay #10 Horn Beep	10	100026	Bay #10 Loop Input
000027	Bay #10 Low Pressure Weep Ctrl.	11	100027	Bay #10 Token Input
000028	Bay #10 Aux. Output	12	100028	Bay #10 Aux Input
000029	Bay #10 Cold Water Rinse	13	100029	
000030	Bay #10 Foaming Brush Blowout	14	100030	
000031	Bay #10 Quarter/Card Coin Pulse	15	100031	
000032	Bay #10 Coin Vac Output	16	100032	
Modbus Plus Node #34				
Bay #11 I/O (CPU #3)				
000033	Bay #11 Timed Output	1	100033	Bay #11 Coin Input
000034	Bay #11 T/C Sol.	2	100034	Bay #11 T/C
000035	Bay #11 Presoak Sol.	3	100035	Bay #11 Presoak
000036	Bay #11 Soap	4	100036	Bay #11 Soap
000037	Bay #11 Foaming Brush	5	100037	Bay #11 Foaming Brush
000038	Bay #11 Rinse	6	100038	Bay #11 Rinse
000039	Bay #11 Wax	7	100039	Bay #11 Wax
000040	Bay #11 Spot-Free Rinse	8	100040	Bay #11 Spot-Free Rinse
000041	Bay #11 Lockout	9	100041	Bay #11 Pressure
000042	Bay #11 Horn Beep	10	100042	Bay #11 Loop Input
000043	Bay #11 Low Pressure Weep Ctrl.	11	100043	Bay #11 Token Input
000044	Bay #11 Aux. Output	12	100044	Bay #11 Aux Input
000045	Bay #11 Cold Water Rinse	13	100045	
000046	Bay #11 Foaming Brush Blowout	14	100046	
000047	Bay #11 Quarter/Card Coin Pulse	15	100047	
000048	Bay #11 Coin Vac Output	16	100048	

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #35				
Bay #12 I/O (CPU #3)				
000049	Bay #12 Timed Output	1	100049	Bay #12 Coin Input
000050	Bay #12 T/C Sol.	2	100050	Bay #12 T/C
000051	Bay #12 Presoak Sol.	3	100051	Bay #12 Presoak
000052	Bay #12 Soap	4	100052	Bay #12 Soap
000053	Bay #12 Foaming Brush	5	100053	Bay #12 Foaming Brush
000054	Bay #12 Rinse	6	100054	Bay #12 Rinse
000055	Bay #12 Wax	7	100055	Bay #12 Wax
000056	Bay #12 Spot-Free Rinse	8	100056	Bay #12 Spot-Free Rinse
000057	Bay #12 Lockout	9	100057	Bay #12 Pressure
000058	Bay #12 Horn Beep	10	100058	Bay #12 Loop Input
000059	Bay #12 Low Pressure Weep Ctrl.	11	100059	Bay #12 Token Input
000060	Bay #12 Aux. Output	12	100060	Bay #12 Aux Input
000061	Bay #12 Cold Water Rinse	13	100061	
000062	Bay #12 Foaming Brush Blowout	14	100062	
000063	Bay #12 Quarter/Card Coin Pulse	15	100063	
000064	Bay #12 Quarter/Card Coin Pulse	16	100064	
	Bay #12 Coin Vac Output			
Modbus Plus Node #36				
Main Automatic #3 (CPU #3)				
000257	Entrance Red/Green	1	100257	Automatic Reset
000258	Exit Red/Green	2	100258	Wash #1
000259	Low Pressure Soap	3	100259	Wash #2
000260	U.C. Sol.	4	100260	Wash #3
000261	Presoak Sol.	5	100261	Wash #4
000262	Soap Sol.	6	100262	Wheel Wash Sw.
000263	Wax Sol.	7	100263	Treadle Sw.
000264	Spot-Free Rinse Sol.	8	100264	Limit Sw.
000265	High Pressure Pump	9	100265	ACW Voice Input
000266	Tower Wands	10	100266	Pressure Sw.
000267	Tower Sol.	11	100267	Loop Input
000268	Floor Sol.	12	100268	Select Presoak on Wheel Wash
000269	ACW Reset	13	100269	SS Spot-Free Pump Transfer
000270	Enterlink Reset	14	100270	SS Presoak Pump Transfer
000271	Low Pressure Wax Output	15	100271	Low Pressure Wax Select
000272		16	100272	

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #37				
Option Automatic #3 (CPU #3)				
000289		1	100289	Fluid Module Low Water Cutoff
000290	Auto Air Blowout	2	100290	Fluid Module Water On
000291	Wheel Bump	3	100291	Fluid Module High Water Off
000292	Dryer Output	4	100292	Rinse Module Low Water Cutoff
000293	Auto Presoak Pump	5	100293	Rinse Module Water On
000294	Auto Spot-free Pump	6	100294	Rinse Module High Water Off
000295	Entrance Door Open	7	100295	Low Water Cutoff Transfer to SS
000296	Entrance Door Closed	8	100296	Early Dryer Off Select
000297	Exit Door Open	9	100297	Entry Door Close Block
000298	Exit Door Closed	10	100298	Exit Door Close Block
000299	Fluid Module Sol.	11	100299	
000300	Rinse Tank Sol.	12	100300	
000301	Fluid Module Pump	13	100301	
000302	Triple Foamer Products	14	100302	Rear Limit Washing
000303	Triple Foamer Air	15	100303	Front Limit Washing
000304	Air Assist for Low Pressure	16	100304	
Modbus Plus Node #38				
Our Autocashier # 3 I/O (CPU #3)				
000209	Stacker Start	1	100209	1\$ Input
000210	Coin Hopper Drive	2	100210	5\$ Input
000211	System Inhibit	3	100211	Quarter Input
000212	Condition Light	4	100212	Token Input
000213	Credit Card Pulse	5	100213	Coin Drop Input
000214	Auto Refund Button	6	100214	Refund
000215	Auto Wash 1 Button	7	100215	ACW # 1 Input
000216	Auto Wash 2 Button	8	100216	ACW # 2 Input
000217	Auto Wash 3 Button	9	100217	ACW # 3 Input
000218	Auto Wash 4 Button	10	100218	ACW # 4 Input
000219	Dryer Soft Start #1	11	100219	Stacker Busy
000220	Dryer Soft Start #2	12	100220	Card Transfer
000221	Dryer Soft Start #3	13	100221	ACW Inhibited
000222	Dryer Soft Start #4	14	100222	Mars Validator Select
000223		15	100223	
000224		16	100224	Credit Load Thru ACW

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #39				
Auto Drive #3 (CPU #3)				
000305	VFD # 1 L1*--Carriage	1	100305	Flash Enter Light
000306	VFD # 1 L2*--Carriage	2	100306	Front Photo Eye
000307	VFD # 1 L3*--Carriage	3	100307	Rear Photo Eye
000308	VFD # 2 L1*--Tower	4	100308	Prox. #1
000309	VFD # 2 L2*--Tower	5	100309	Prox. #2
000310	VFD # 2 L3*--Tower	6	100310	Prox. #3
000311		7	100311	Prox. #4
000312	Enter Light	8	100312	Lapswitch
000313	Stop Light	9	100313	Encoder
000314	Presoak Light (Out 277)	10	100314	Front Limit
000315	Soap Light (Out 278)	11	100315	Rear Limit
000316	Rinse Light (Out 321)	12	100316	
000317	Wax Light (Out 279)	13	100317	
000318	Spot-Free Rinse Light (Out 280)	14	100318	
000319	Exit Light (Out 322)	15	100319	
000320	Back-Up Light	16	100320	Backup Light Input
Address Description Address Description				
Modbus Plus Node #40				
Fixed Rail Auto #3 (CPU #3)				
000353		1	100353	Flash Enter Light
000354		2	100354	Fixed Track Select
000355		3	100355	
000356	VFD # 2 L1*--Tower	4	100356	
000357	VFD # 2 L2*--Tower	5	100357	
000358	VFD # 2 L3*--Tower	6	100358	
000359		7	100359	
000360	Enter Light	8	100360	
000361	Stop Light	9	100361	
000362	Presoak Light (Out 277)	10	100362	
000363	Soap Light (Out 278)	11	100363	
000364	Rinse Light (Out 321)	12	100364	
000365	Wax Light (Out 279)	13	100365	
000366	Spot-Free Rinse Light (Out 280)	14	100366	
000367	Exit Light (Out 322)	15	100367	
000368	Back-Up Light	16	100368	Backup Light Input

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #41/CPU 3				
Aux. I/O				
000241		1	100241	
000242		2	100242	
000243		3	100243	
000244		4	100244	
000245		5	100245	
000246		6	100246	
000247	Auto Weep	7	100247	SS L.P. Wax Select
000248	Self-Serve Weep	8	100248	Dryer Off Controls Wash Load
000249		9	100249	
000250		10	100250	
000251		11	100251	Special Car Sizing Select
000252		12	100252	New Voice Stack Decrement
000253	Voice Acknowledge Bit *	13	100253	Voice Stack Decrement *
000254		14	100254	
000255	Reclaim Control Output	15	100255	Reclaim Operation Select
000256		16	100256	Auto Reset
	* = Control 2nd Voice Module		NOTE:	
			Programming actual inputs for this node require the use of _1002XX references.	
Modbus Plus Node #42				
32 bit Output Module (CPU #3)				
Version 5.X Voice Control				
000417	Bay # 5 Voice Output	1 17	000433	Message 12 Control
000418	Bay # 6 Voice Output	2 18	000434	Message 13 Control
000419	Bay # 7 Voice Output	3 19	000435	Message 14 Control
000420	Bay # 8 Voice Output	4 20	000436	Message 15 Control
000421	Automatic 2 Voice Output	5 21	000437	Message 16 Control
000422	Message 1 Control	6 22	000438	Message 17 Control
000423	Message 2 Control	7 23	000439	Message 18 Control
000424	Message 3 Control	8 24	000440	
000425	Message 4 Control	9 25	000441	
000426	Message 5 Control	10 26	000442	
000427	Message 6 Control	11 27	000443	
000428	Message 7 Control	12 28	000444	
000429	Message 8 Control	13 29	000445	
000430	Message 9 Control	14 30	000446	
000431	Message 10 Control	15 31	000447	
000432	Message 11 Control	16 32	000448	

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #43				
Main Automatic #4 (CPU #4)				
000257	Entrance Red/Green	1	100257	Automatic Reset
000258	Exit Red/Green	2	100258	Wash #1
000259	Low Pressure Soap	3	100259	Wash #2
000260	U.C. Sol.	4	100260	Wash #3
000261	Presoak Sol.	5	100261	Wash #4
000262	Soap Sol.	6	100262	Wheel Wash Sw.
000263	Wax Sol.	7	100263	Treadle Sw.
000264	Spot-Free Rinse Sol.	8	100264	Limit Sw.
000265	High Pressure Pump	9	100265	ACW Voice Input
000266	Tower Wands	10	100266	Pressure Sw.
000267	Tower Sol.	11	100267	Loop Input
000268	Floor Sol.	12	100268	Select Presoak on Wheel Wash
000269	ACW Reset	13	100269	SS Spot-Free Pump Transfer
000270	Enterlink Reset	14	100270	SS Presoak Pump Transfer
000271	Low Pressure Wax Output	15	100271	Low Pressure Wax Select
000272		16	100272	
Modbus Plus Node #44				
Option Automatic #4 (CPU #4)				
000289		1	100289	Fluid Module Low Water Cutoff
000290	Auto Air Blowout	2	100290	Fluid Module Water On
000291	Wheel Bump	3	100291	Fluid Module High Water Off
000292	Dryer Output	4	100292	Rinse Module Low Water Cutoff
000293	Auto Presoak Pump	5	100293	Rinse Module Water On
000294	Auto Spot-free Pump	6	100294	Rinse Module High Water Off
000295	Entrance Door Open	7	100295	Low Water Cutoff Transfer to SS
000296	Entrance Door Closed	8	100296	Early Dryer Off Select
000297	Exit Door Open	9	100297	Entry Door Close Block
000298	Exit Door Closed	10	100298	Exit Door Close Block
000299	Fluid Module Sol.	11	100299	
000300	Rinse Tank Sol.	12	100300	
000301	Fluid Module Pump	13	100301	
000302	Triple Foamer Products	14	100302	Rear Limit Washing
000303	Triple Foamer Air	15	100303	Front Limit Washing
000304	Air Assist for Low Pressure	16	100304	

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #45				
Our Autocashier # 4 I/O (CPU #4)				
000209	Stacker Start	1	100209	1\$ Input
000210	Coin Hopper Drive	2	100210	5\$ Input
000211	System Inhibit	3	100211	Quarter Input
000212	Condition Light	4	100212	Token Input
000213	Credit Card Pulse	5	100213	Coin Drop Input
000214	Auto Refund Button	6	100214	Refund
000215	Auto Wash 1 Button	7	100215	ACW # 1 Input
000216	Auto Wash 2 Button	8	100216	ACW # 2 Input
000217	Auto Wash 3 Button	9	100217	ACW # 3 Input
000218	Auto Wash 4 Button	10	100218	ACW # 4 Input
000219	Dryer Soft Start #1	11	100219	Stacker Busy
000220	Dryer Soft Start #2	12	100220	Card Transfer
000221	Dryer Soft Start #3	13	100221	ACW Inhibited
000222	Dryer Soft Start #4	14	100222	
000223		15	100223	
000224		16	100224	Credit Load Thru ACW
Modbus Plus Node #46				
Auto Drive #4 (CPU #4)				
000305	VFD # 1 L1*--Carriage	1	100305	Flash Enter Light
000306	VFD # 1 L2*--Carriage	2	100306	Front Photo Eye
000307	VFD # 1 L3*--Carriage	3	100307	Rear Photo Eye
000308	VFD # 2 L1*--Tower	4	100308	Prox. #1
000309	VFD # 2 L2*--Tower	5	100309	Prox. #2
000310	VFD # 2 L3*--Tower	6	100310	Prox. #3
000311		7	100311	Prox. #4
000312	Enter Light	8	100312	Lapswitch
000313	Stop Light	9	100313	Encoder
000314	Presoak Light (Out 277)	10	100314	Front Limit
000315	Soap Light (Out 278)	11	100315	Rear Limit
000316	Rinse Light (Out 321)	12	100316	
000317	Wax Light (Out 279)	13	100317	
000318	Spot-Free Rinse Light (Out 280)	14	100318	
000319	Exit Light (Out 322)	15	100319	
000320	Back-Up Light	16	100320	Backup Light Input

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
Modbus Plus Node #47				
Fixed Rail Auto #4 (CPU #4)				
000353		1	100353	Flash Enter Light
000354		2	100354	Fixed Track Select
000355		3	100355	
000356	VFD # 2 L1*--Tower	4	100356	
000357	VFD # 2 L2*--Tower	5	100357	
000358	VFD # 2 L3*--Tower	6	100358	
000359		7	100359	
000360	Enter Light	8	100360	
000361	Stop Light	9	100361	
000362	Presoak Light (Out 277)	10	100362	
000363	Soap Light (Out 278)	11	100363	
000364	Rinse Light (Out 321)	12	100364	
000365	Wax Light (Out 279)	13	100365	
000366	Spot-Free Rinse Light (Out 280)	14	100366	
000367	Exit Light (Out 322)	15	100367	
000368	Back-Up Light	16	100368	Backup Light Input
Modbus Plus Node #48/CPU 4				
Aux. I/O				
000241		1	100241	
000242		2	100242	
000243		3	100243	
000244		4	100244	
000245		5	100245	
000246		6	100246	
000247	Auto Weep	7	100247	SS L.P. Wax Select
000248	Self-Serve Weep	8	100248	Dryer Off Controls Wash Load
000249		9	100249	
000250		10	100250	
000251		11	100251	Special Car Sizing Select
000252		12	100252	New Voice Stack Decrement
000253	Voice Acknowledge Bit *	13	100253	Voice Stack Decrement *
000254		14	100254	
000255	Reclaim Control Output	15	100255	Reclaim Operation Select
000256		16	100256	Auto Reset
* = Control 2nd Voice Module			NOTE:	
				Programming actual inputs for this node require the use of _1002XX references.

Modicon I/O: Real World I/O
4+1 V-5.3

Address	Description		Address	Description
	Modbus Plus Node #49			
	32 bit Output Module (CPU #4)			
	Version 5.X Voice Control			
000417	Bay # 5 Voice Output	1 17	000433	Message 12 Control
000418	Bay # 6 Voice Output	2 18	000434	Message 13 Control
000419	Bay # 7 Voice Output	3 19	000435	Message 14 Control
000420	Bay # 8 Voice Output	4 20	000436	Message 15 Control
000421	Automatic 2 Voice Output	5 21	000437	Message 16 Control
000422	Message 1 Control	6 22	000438	Message 17 Control
000423	Message 2 Control	7 23	000439	Message 18 Control
000424	Message 3 Control	8 24	000440	
000425	Message 4 Control	9 25	000441	
000426	Message 5 Control	10 26	000442	
000427	Message 6 Control	11 27	000443	
000428	Message 7 Control	12 28	000444	
000429	Message 8 Control	13 29	000445	
000430	Message 9 Control	14 30	000446	
000431	Message 10 Control	15 31	000447	
000432	Message 11 Control	16 32	000448	