

NCE Mini Panel 903a: Single Reed, 2 Trains 10/4/2016

Inp	S	Command	Entry	Action	Summary
				Configuration Memory	
		Default=3, keep		Mem addr 0 = 3 (Cab bus address)	
		Default=5 keep		Mem addr 1 = 5 (Debounce timer)	
		Default=0, keep		Mem addr 2 = 0 (Format display unknown commds)	
		Default=0, chg. To 1		Mem addr 3 = 1 (Continuous memory 1 and above)	
		Default=0, chg. To 3		Mem addr 4 = 3 (Disabled inputs 3 and above)	
		Default=0, keep		Mem addr 5 = 0 (Interrupting wait commands)	
		##===== ENGINE SETTINGS =====##			
				Cab: Momentum Multiplier = 1, deaccl = 1 x acc	
				#051 ATLAS VIRGINIAN TRAINMASTER	
		M=0 (CV3 accel, CV4 decel) (use 2.5 sec after crossing RS#16 (instead of default 3))			Spd = 17
				#1216 ROCO D&H SHARKNOSE	
		M=9 (CV3 accel, CV4 decel)			Spd = 13
				#3364 KATO SF GEEP GP-35	
		M=7 (CV3 accel, CV4 decel) F5=strobe, F8=sound			Spd = 22
		##===== COMMAND LIBRARY =====##			
1		Delay 1/4 sec: 4	5, 1, 2, 4	Delay 1 second (¼ sec x 4)	
2		Delay 4 sec: 2	5, 1, 1, 2	Delay 8 seconds (4 sec x 2)	
3		Link to Input: 9	5, 3, 9	Go to Step 9 (magnet/reed switch test)	
4		End (Terminate)	5,7,1	Terminate (stop executing commands)	
5		nop	5,5,1	No Operation (do nothing, go to next step)	
6		>Select Loco: 003	3, 1, 003	Select Loco #3: (need "*" to indicate long adr)	
7		Speed Fwd: 10	3, 2, 2, 10 F	START loco	
8		Skip if Inp: 16 Open	5, 6, 2, 16	Skip next command if reed sw. # 16 is open	
9		Wait Inp: 16 Ground	5, 2, 1, 16	wait for reed sw. # 16 to be closed (resistance decr)	
10		Macro 14	2, 14	Set both turnouts STRAIGHT (macro is in Cmmd. Stn.)	
11		Macro 15	2, 15	Set both turnouts CURVED (macro is in Cmmd. Stn.)	
		Accy: 7 Norm	1, 7 , 1	Set turnout # 7 STRAIGHT (1 = straight)	
		Accy: 10 Rev	1, 10 , 2	Set turnout # 10 CURVED (2 = curved)	
		Skip if Inp: 16 Grnd	5, 6, 1, 16	Skip next command if reed sw. # 16 is closed	
		CYCLE TIMES: Complete 6-part cycle takes approx. 3-1/4 min (minimum delay) to 5 min (max delay).			
		INPUT COMMAND LOCATIONS - USED for the following "programs":			

			Using Input 14 for stop reed switch (T1)		
			Using Input 15 for "test" reed switch that starts timer		

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Inp	S	Command	Entry	Action	Summary
1	1				
1	2				
1	3				
1	4				
-	-				
2	1				
2	2				
2	3				
2	4				
-	-				
3	1				
3	2				
3	3				
3	4				
-	-				
4	1				
4	2				
4	3				
4	4				
-	-				
5	1				
5	2				
5	3				
5	4				
-	-				
6	1				
6	2				
6	3				
6	4				
-	-				
7	1				
7	2				
7	3				
7	4				
-	-				
8	1				
8	2				
8	3				
8	4				
-	-				
9	1				
9	2				
9	3				
9	4				
-	-				
10	1				
10	2				
10	3				
10	4				
-	-				
11	1				
11	2				
11	3				
11	4				

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Inp	S	Command	Entry	Action
-	-			
12	1			
12	2			
12	3			
12	4			
-	-			
13	1			
13	2			
13	3			
13	4			
-	-			
14	1			
14	2			
14	3			
14	4			
-	-			
15	1			
15	2			
15	3			
15	4			
-	-			
16	1			
16	2			
16	3			
16	4			
-	-			
17	1			
17	2			
17	3			
17	4			
-	-			
18	1			
18	2			
18	3			
18	4			
19	1			
19	2			
19	3			
19	4			
	-			
20	1			
20	2			
20	3			
20	4			
-	-			
21	1			
21	2			
21	3			
21	4			
-	-			
22	1			
22	2			
22	3			
22	4			
-	-			

Summary

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Inp	S	Command	Entry	Action
23	1			
23	2			
23	3			
23	4			
-	-			
24	1			
24	2			
24	3			
24	4			
-	-			
25	1			
25	2			
25	3			
25	4			
-	-			
26	1			
26	2			
26	3			
26	4			
-	-			
27	1			
27	2			
27	3			
27	4			
-	-			
28	1			
28	2			
28	3			
28	4			
-	-			
29	1			
29	2			
29	3			
29	4			
-	-			
30	1			
30	2			
30	3			
30	4			
-	-			
31	1	nop	5,5,1	(don't use, will be executed upon startup)
31	2	nop	5,5,1	(don't use, will be executed upon startup)
31	3	nop	5,5,1	(don't use, will be executed upon startup)
31	4	nop	5,5,1	(don't use, will be executed upon startup)

Summary