



CV No.	Description	Default	After Reset
1	Primary Address/2 Digit Address/Short Address	3	3
2	Vstart	0	0
3	Acceleration Rate	1	1
4	Deceleration Rate	1	1
5	Vhigh	0	0
6	Vmid	0	0
7	Manufacturer Version Number	1/2/3/4	Read Only
8	Manufacturer ID/CV8=4 for Reset	134	CV8=4 for Reset
9	Total PWM Period/Not in USE	0	Not Reset
10	EMF Feedback Cutout	88	88
11	Packet Time Out Value/Not in USE	0	Not Reset
12	Power Source Conversion/Not in USE	0	Not Reset
13	Alternate Mode Function Status	255	255
14	Alternate Mode Function 2 Status	255	255
15	Decoder Lock	0	0
16	Decoder Lock	1	1
17	Extended Address/4 Digit Address/Long address	0	0
18	Extended Address/4 Digit Address/Long address	0	0
19	Consist Address	0	0
20	Reserved by NMRA/Not in USE	0	Not Reset
21	Consist Address Active for F1-F8	0	0
22	Consist Address Active for FL and F9-F12	0	0
23	Acceleration Adjustment	0	0
24	Deceleration Adjustment	0	0
25	Speed Table/Mid-range Cab Speed Step/Not in USE	0	Not Reset
26	Reserved by NMRA/Not in USE	0	Not Reset
27	Decoder Automatic Stopping Configuration/Not in USE	0	Not Reset
28	Bi-Directional Communication Configuration/Not in USE	0	Not Reset
29	Configurations Supported	6	6
30	CV30=4 for Reset	0	0
31	Index High Byte/Not in USE	0	Not Reset
32	Index Low Byte/Not in USE	0	Not Reset
33	Forward Headlight FL(F0F)/White Wire	1	1
34	Reverse Headlight FL(F0R)/Yellow Wire	2	2
35	Function 1/Green Wire(0-6)	4	4
36	Function 2/Purple Wire(0-6)	8	8
37	Function 1/Green Wire(7-12)	0	0
38	Function 2/Purple Wire(7-12)	0	0
39	Function 3/Brown Wire(0-6)	16	16
40	Function 4/Pink Wire((0-6)	32	32
41	Function 3/Brown Wire(7-12)	0	0
42	Function 4/Pink Wire((7-12)	0	0
43	Function 5/Pink/Purple Wire(0-6)	0	0
44	Function 6/Green/Brown Wire(0-6)	0	0
45	Function 5/Pink/Purple Wire(7-12)	0	0
46	Function 6/Green/Brown Wire(7-12)	0	0
47	For USER Use/Will be Reset	0	0
48	USER ID #3	0	Not Reset
49	White Wire/FL Feature	0	0
50	Yellow Wire/RL Feature	16	16
51	Green Wire/F1 Feature	32	32
52	Violet Wire/F2 Feature	32	32
53	Brown Wire/F3 Feature/When Available	32	32
54	Pink Wire/F4 Feature/When Available	32	32
55	Not in USE	0	Not Reset
56	Dither Frequency	3	3
57	Dither Amplitude	10	10
58	Not in USE	0	Not Reset
59	Passenger/Coaches Light F0 Control 0=OFF 1=F1/F2 ON 2=ALL ON	0	0
60	Production Place/1=CN, 2=HK, 3=VN, 4=PH, 5=MY	1/2/3/4/5	Read Only
61	Configuration Options	1	1
62	USER ID #4	0	Not Reset
63	Ditch Light Blink Hold Over	63	63
64	Dim Value	6	6
65	USER ID #5	0	Not Reset
66	USER ID #6	0	Not Reset
67	Speed Table Step 1	8	8
68	Speed Table Step 2	16	16
69	Speed Table Step 3	24	24
70	Speed Table Step 4	32	32
71	Speed Table Step 5	40	40



72	Speed Table Step 6	48	48
73	Speed Table Step 7	56	56
74	Speed Table Step 8	64	64
75	Speed Table Step 9	72	72
76	Speed Table Step 10	80	80
77	Speed Table Step 11	88	88
78	Speed Table Step 12	96	96
79	Speed Table Step 13	104	104
80	Speed Table Step 14	114	114
81	Speed Table Step 15	124	124
82	Speed Table Step 16	134	134
83	Speed Table Step 17	144	144
84	Speed Table Step 18	154	154
85	Speed Table Step 19	164	164
86	Speed Table Step 20	174	174
87	Speed Table Step 21	184	184
88	Speed Table Step 22	194	194
89	Speed Table Step 23	204	204
90	Speed Table Step 24	214	214
91	Speed Table Step 25	224	224
92	Speed Table Step 26	234	234
93	Speed Table Step 27	244	244
94	Speed Table Step 28	255	255
95	Reverse Trim/Not in USE	0	Not Reset
96	Reserved by NMRA/Not in USE	0	Not Reset
97	Reserved by NMRA/Not in USE	0	Not Reset
98	Reserved by NMRA/Not in USE	0	Not Reset
99	Reserved by NMRA/Not in USE	0	Not Reset
100	Reserved by NMRA/Not in USE	0	Not Reset
101	Reserved by NMRA/Not in USE	0	Not Reset
102	Reserved by NMRA/Not in USE	0	Not Reset
103	Reserved by NMRA/Not in USE	0	Not Reset
104	Reserved by NMRA/Not in USE	0	Not Reset
105	USER ID #1	0	Not Reset
106	USER ID #2	0	Not Reset
107	Reserved by NMRA/Not in USE	0	Not Reset
108	Reserved by NMRA/Not in USE	0	Not Reset
109	Reserved by NMRA/Not in USE	0	Not Reset
110	Reserved by NMRA/Not in USE	0	Not Reset
111	Reserved by NMRA/Not in USE	0	Not Reset
112	Mars Min Brightness	1	1
113	Mars Max Brightness Time	9	9
114	Mars Total Light Cycle	1	1
115	Mars Mid Brightness	6	6
116	Mars Max Brightness	22	22
117	Ditch Light Blink Rate	3	3
118	Rotary Min. Bright	1	1
119	Rotary Min. Bright Time	5	5
120	Rotary Total Light Cycle	1	1
121	Rotary Mid Brightness	15	15
122	Rotary Max Brightness	25	25
123	ON/OFF Rule 17 Dimming	32	32
124	ON/OFF Ditch Light Blink	8	8
125	Rate 2 Ending Point	0	0
126	Dec Rate 2	0	0
127	Rate 3 Ending Point	0	0
128	Dec Rate 3	0	0
129	Rate 2 Starting Point	0	0
130	Acc. Rate 2	0	0
131	Rate 3 Starting Point	0	0
132	Acc. Rate 3	0	0
133	Power Level for Button Control	0	Not Reset
134	Button Control of Motor Circuit	2	Not Reset
135	Random Flicker Adjust	16	16
136	BEMF Map	2	Not Reset
137	YY/Production Time of Year	YY	Read Only
138	YY/Production Time of Year	YY	Read Only
139	MM/Production Time of Month	MM	Read Only
140	DD/Production Time of Day	DD	Read Only
141-255	Not in USE	0	Not Reset

Note: Please note some of the functions are still under developing, if it's not work on your decoders, please wait for new version.