

CV	Description	Default
1	Primary Address	3
2	Start Volts	0
3	Acceleration	0
4	Deceleration	0
5	Vhigh	0
6	Mid Volts	0
7	Manufacturer Version	
8	Manufacturer ID + Factory Reset	153
10	BEMF Cutout	0
13	Funct. Active in Analog Mode	255
15	Decoder Unlock	0
16	Decoder Unlock Number	1
17	Upper Byte extended Address	0
18	Lower Byte extended Address	0
19	Consist Add.	0
21	Consist Function Control	0
22	Consist Function Control	0
23	Acceleration In Consist	0
24	Deceleration In Consist	0
28	RailCom Configuration	0
29	Decoder Configuration	6
30	Not in USE	
33	Forward Light Map	1
34	Reverse Light Map	2
35	Function 1 Map (Green 0-6)	4
36	Function 2 Map (Purple 0-6)	8
37	Function 1 Map (Green 7-12)	0
38	Function 2 Map (Purple 7-12)	0
39	Function 3 Map (Brown 0-6)	16
40	Function 4 Map (Pink 0-6)	32
41	Function 3 Map (Brown 7-12)	0
42	Function 4 Map (Pink 7-12)	0
43	Function 5 Map (Pink/Purple 0-6)	64
44	Function 6 Map (Green/Brown 0-6)	128
45	Function 5 Map (Pink/Purple 7-12)	0
46	Function 6 Map (Green/Brown 7-12)	0
49	Forward Light Feature (White)	0
50	Reverse Light Feature (Yellow)	16
51	Function One Feature (Green)	32
52	Function Two Feature (Violet)	32
53	Function Three feature (Brown)	32
54	Function Four Feature (Pink)	32
55	Function Five Feature (Pink/Purple)	32
56	Dither Frequency	3
57	Dither Amplitude	10
58	Function Six Features (Green/Brown)	32
59	Not in USE	46
60	Not in USE	
61	Adding 8 enables brake button control (default button 6)	1
62	Not in USE	
63	Ditch Light Blink Hold Over	64
64	Constant Dim 1	64
65	Not in USE	
66	Forward Motor Trim	128
67	Step 1 Speed Table	2
68	Step 2 Speed Table	5
69	Step 3 Speed Table	7
70	Step 4 Speed Table	12
71	Step 5 Speed Table	16
72	Step 6 Speed Table	21
73	Step 7 Speed Table	26
74	Step 8 Speed Table	30
75	Step 9 Speed Table	35
76	Step 10 Speed Table	40
77	Step 11 Speed Table	47
78	Step 12 Speed Table	51
79	Step 13 Speed Table	58
80	Step 14 Speed Table	65
81	Step 15 Speed Table	72
82	Step 16 Speed Table	79

CV	Description	Default
83	Step 17 Speed Table	84
84	Step 18 Speed Table	93
85	Step 19 Speed Table	100
86	Step 20 Speed Table	112
87	Step 21 Speed Table	121
88	Step 22 Speed Table	135
89	Step 23 Speed Table	147
90	Step 24 Speed Table	161
91	Step 25 Speed Table	177
92	Step 26 Speed Table	196
93	Step 27 Speed Table	219
94	Step 28 Speed Table	255
95	Reverse Motor Trim	128
104	userID	0
105	userID	0
106	userID	0
112	Mars Min Brightness	
113	Mars Max Bright Time	9
114	Mars Total Light Cycle	1
115	Mars Mid Brightness	6
116	Mars Max Brightness	22
117	Ditch Light Blink Rate	3
118	Rotary Min. Bright	1
119	Rotary Max. Bright Time	5
120	Rotary Total Light Cycle	1
121	Rotary Mid Brightness	15
122	Rotary Max Brightness	25
123	On/Off rule 17 Dimming	32
124	On/Off Ditch Light Blink	8
124	Ditch Light button map.	8
125	Rate 2 Starting Point	0
126	Acceleration Rate 2	0
127	Rate 3 Starting Point	0
128	Acceleration Rate 3	0
129	Rate 5 Ending Point	0
130	Deceleration Rate 5	0
131	Rate 4 Ending Point	0
132	Deceleration Rate 4	0
133	Power for Button Control	255
134	Button Control of Motor Circ.	2
135	Flicker Adjust	16
135	Random Flicker 1 Adjustment	16
136	BEMF Map	2
137	Brake light off delay (Fine Adjustment)	128
138	Brake light off delay (Course Adjustment)	16
139	Brake map (button)	128
140	Single Pulse Strobe 1 Length of OFF pulse	140
141	Single Pulse Strobe 1 Length of ON pulse	5
142	Single Pulse Strobe 2 Length of OFF pulse	124
143	Single Pulse Strobe 2 Length of ON pulse	4
144	Flash off time	144
145	Flash on time	48
146	Double Pulse Strobe 1 off time	112
147	Double Pulse Strobe 1 on time	5
148	Double Pulse Strobe 1 short off time	16
149	Double Pulse Strobe 2 off time	117
150	Double Pulse Strobe 2 on time	5
151	Double Pulse Strobe 2 short off time	16
152	Random Flicker 2 Adjustment	16
153	Constant Dim 2 Adjustment	5
154	Constant Dim 3 Adjustment	5
155	Constant Dim 4 Adjustment	5
156	Headlight (0 no dimming, 1-32 goes from dimmest [1] to least dim [32]))	0
157	Reverse Light (0 no dimming, 1-32 goes from dimmest [1] to least dim [32]))	0
178	Railcom CV content address pointer	0
180	Select railcom identifiers	0
181	Options for RailCom Identifiers	0
182	Enable Keep-Alive	2
249	Decoder Identification	Read Only
250	Month of Manufacturing	Read Only
251	Day of Manufacturing	Read Only
252	Year of Manufacturing	Read Only