

Walthers Mainline SD70ACe HO Scale

Factory Equipped with **SOUNDTRAXX™** sound

2016 Release



Default Values

Airhorn Selection	Bell Selection	Prime Mover Selection
Nathan K5LLA	EMD	EMD 710 G3C-T2

Default Function Assignments

F0	Front/Rear Light	F3	Short Airhorn	F6	(not used)
F1	Bell	F4	(not used)	F7	(not used)
F2	Airhorn	F5	FX5A	F8	Mute

Default Volume, Alternate Mixer, and Reverb Mixer Settings

CV	Sound Effect	Volume	CV	Sound Effect	Volume	CV	Sound Effect	Volume	CV	Sound Effect	Volume
128	Master Volume	192	129	Airhorn	225	130	Bell	128	131	Prime Mover	180

Configuration Variable Default Values

CV	Description	Value	CV	Description	Value	CV	Description	Value
1	Primary Address	3	30	Error Information	0	67-95	Speed Table	Varies
2	V Start	0	33	FL(f) Output Location	1	95	Reverse Trim	128
3	Baseline Acceleration Rate	6	34	FL(r) Output Location	2	105	User Identifier #1	4
4	Baseline Braking Rate	5	35	F1 Output Location	8	106	User Identifier #2	69
5	V Max	0	36	F2 Output Location	4	112	Sound Configuration 1	0
6	V Mid	0	37	F3 Output Location	16	114	Bell Ring Rate	6
7	Manufacturer Version ID	0	38	F4 Output Location	0	116	Engine Exhaust Control	39
8	Manufacturer ID	141	39	F5 Output Location	2	118	Max. Engine Recovery Speed	204
10	Back EMF Cutout	0	40	F6 Output Location	0	193	Automatic Bell On Point	10
11	Packet Time-Out Value	0	41	F7 Output Location	0	194	Automatic Bell Off Point	40
12	Alternate Power Source	1	42	F8 Output Location	32	195	Grade-Crossing Whistle Sensitivity	4
13	Analog Mode Function (F1-8)	16	43	F9 Output Location	0	196	Brake Squeal Sensitivity	3
14	Analog Mode Function (F0, F9-12)	3	44	F10 Output Location	0	197	Analog Mode Auto Sound Config.	6
15	CV Unlock Code	0	45	F11 Output Location	0	198	DCC Mode Auto Sound Config.	0
16	CV Lock Code	0	46	F12 Output Location	0	209	PID Kp Coefficient	25
17	Extended Address MSB	192	49	Hyperlight Effect-Headlight	128	210	PID Ki Coefficient	20
18	Extended Address LSB	3	50	Hyperlight Effect-Backlight	128	212	Motor Control Intensity	255
19	Consist Address	0	51	Hyperlight Effect-FX5A	128	213	Motor Control Sample Period	8
21	Consist Function Active (F1-8)	0	57	FX Directional Control	1	214	Motor Control Sample Window Size	8
22	Consist Function Active (F0, F9-12)	0	59	Hyperlight Flash Rate	4	216	Motor Control Reference Volt.	140
23	Consist Acceleration Rate	0	60	Grade-Crossing Hold Time	4	217	Motor Control Register	2
24	Consist Braking Rate	0	63	Analog Mode Motor Start Volt.	30	218	Analog Mode Engine Sound Start	20
25	Speed Table Selection	0	64	Analog Mode Max. Motor Volt.	180			
29	Configuration Data 1	6	66	Forward Trim	128			