Kato ALC-42

Factory Equipped with Tsunami2

Default Values

Horn Selections	CV 120 Value	Horn Selections	CV 120 Value	Horn Selections	CV 120 Value
Nathan K3LA (1)	0	Holden M3H	16	Wabco AA2	32
Nathan K3LA (2)	1	Holden K5H	17	Wabco E2 (1)	33
Nathan K3L	2	Leslie A125	18	Wabco E2 (2)	34
Nathan K5HL	3	Leslie A125/200 Combo	19	Wabco 2 Chime	35
Nathan K5LA (1)	4	Leslie A125-3E	20	Westinghouse 10’” Air Whistle	36
Nathan K5LA (2)	5	Leslie A200	21	Hancock 4700 Air Whistle	37
Nathan K5LA (3)	6	Leslie A200/S3L Combo	22	RGS Good No. 2	38
Nathan K5LH	7	Leslie RS3L	23	Klaxon “Aoogah” Horn	39
Nathan K5LLA	8	Leslie RS5T	24	GSX Automobile Horn	40
Nathan M3	9	Leslie S2M	25	Oh! Canada	41
Nathan M5	10	Leslie S2M/A200 Combo	26	Leslie S3LR	42
Nathan P3	11	Leslie S2M/S3L Combo	27	Leslie RS3K	43
Nathan P5 Early	12	Leslie S3L	28	Nathan K5LA (ALC42)	44
Nathan P5 Modern	13	Leslie S5T	29	Nathan k5LA (ACS64)	45
Nathan P5A	14	Leslie S5T/A200 Combo	30		
Nathan P5A 3rd Generation	15	Wabco A2	31		

Exhaust Chuff Selections	CV 123	
ALC42 Charger	0	

Air Compressor Selections	CV 124 Value	Air Compressor Selections	CV 124 Value
ALC42 Air Compressor	0	GE “GEVO Series”	2
GE “Whooping”	1	EMD Shaft Driven	3

Poppet Valve Selections	CV 125 Value	Poppet Valve Selections	CV 125 Value
Poppet Valve	0	Air Dryer: Electronic	1

Coupler Selections	CV 126 Value	Coupler Selections	CV 126 Value
Light: GP7	128	Link-and-Pin	130
Heavy	129		

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Default Function Assignments					
F0	Front & Rear Headlights and Dynamo	F10	Straight-to-8	F20	Auxiliary HEP Generator
F1	Bell	F11	Brake Squeal & Release	F21	Sander Valve
F2	Horn	F12	Brake Select	F22	Cab Chatter
F3	Short Horn	F13	Couple/Uncouple	F23	“All Aboard!”/Coach Doors
F4	Dynamic Brakes	F14	Half-Speed & Momentum Override	F24	FX3: Diesel-light
F5	Cutoff+	F15	Hand Brake	F25	FX4: Diesel-light
F6	Cutoff-	F16	HEP	F26	(not used)
F7	Dimmer	F17	Fuel Loading	F27	(not used)
F8	Mute	F18	General Service	F28	(not used)
F9	Grade-Crossing Signal	F19	Straight-to-idle		

Configuration Variable Default Values

CV	Description	Value	CV	Description	Value	CV	Description	Value
3	Baseline Acceleration	80	120	Horn Select	44	231	2 kHz Cut/Boost	151
4	Baseline Braking Rate	40	122	Bell Select	36	232	4 kHz Cut/Boost	185
29	Configure Register 1	2	124	Air Pump Select	0	1.263	FX7 Output	28
49	Headlight Configuration	143	226	62Hz Cut/Boost	240	1.264	FX8 Output	28
50	Backup Light Configuration	143	227	125Hz Cut/Boost	190	2.503	DDE Load Offset	40
57	Forward Direction Enable	61	228	250 Hz Cut/Boost	159	2.504	DDE Load Slope	0
58	Reverse Direction Enable	62	229	500 Hz Cut/Boost	193			
112	Sound configuration 1	5	230	1 kHz Cut/Boost	175			

Speed Table Default Values

CV	Value	CV	Value	CV	Value	CV	Value	CV	Value	CV	Value
*67	9	72	55	77	100	82	146	87	191	92	237
68	18	73	64	78	109	83	155	88	200	93	246
69	27	74	73	79	118	84	164	89	209	94	255
70	36	75	82	80	127	85	173	90	219		
71	45	76	91	81	137	86	182	91	228		

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Default Volume, Alternate Mixer, and Reverb Mixer Settings

CV	Sound Effect	Std. Volume	Alt. Volume	CV	Sound Effect	Std. Volume	Alt. Volume
128	Master Volume	213		147	Relays	128	64
129	Airhorn	135	43	148	Emergency Stop	70	35
130	Bell	105	34	149	Uncouple	150	75
131	Prime Mover	125	62	150	“All Aboard!”/Doors	192	96
132	Air Compressor	100	50	153	Clickety-Clack	150	75
133	Dynamic Brakes	125	62	154	Sander Valve	10	5
134	Fans	50	25	155	Fuel Loading	50	25
135	Alarm Bell	60	30	156	Air Conditioner	20	10
137	Coupler	128	64	157	Wrench	50	25
138	Train Brake	128	64	158	Pneumatic Oiler	40	20
139	Brake Squeal	100	50	159	Toilet	20	10
140	Brake Release	70	35	160	Cab Chatter	60	30
143	Poppet Valve	25	12	161	Airhorn Reverb	128	
144	Steam Generator	200	100	175	Poppet Valve Reverb	128	
145	Cab Door	128	64				

If a CV or a sound selection is not listed within this documentation, the default value or selection choices match those of aftermarket SoundTraxx products. For more information about unlisted items, please refer to the Tsunami2 product documentation found on our website.