

FUNCTION DECODER

Connect to programming track before setting!

- 4 independent outputs
- each channel is rated at 500 mA (altogether 800 mA)
- F0-F12 selectable function
- the address can be between 1-9999 (can be same with loco)
- normal or neon-effect mode
- rail polarity mode function (the tail lights depend on the train orientation)
- "day&night" mode (dimming function)
- all functions are available for all outputs independently
- dimension: 22 x 15 mm (0.87" x 0,59")

CV	Value	Default	Description
Short address setting			
1	1 - 99	1	Short address
29	0	0	
Long address setting (see table 4)			
17	192-231	192	Long address high byte
18	0 - 255	1	Long address low byte
29	34	0	
17	192		Long address between 100 - 255
17	193		Long address between 256 - 511
17	194		Long address between 512 - 767
Output setting			
140	1 - 12	1	Output 1 (1=F1, 2=F2, 3=F4 - 12=F12)
141	1 - 12	2	Output 2 (1=F1, 2=F2, 3=F4 - 12=F12)
142	1 - 12	3	Output 3 (1=F1, 2=F2, 3=F4 - 12=F12)
143	1 - 12	4	Output 4 (1=F1, 2=F2, 3=F4 - 12=F12)
144	1 - 12	5	day/night mode (1=F1, 2=F2, 3=F4 - 12=F12)
Effect setting			
150	xxx	0	Output 1 effect
151	xxx	0	Output 2 effect
152	xxx	0	Output 3 effect
153	xxx	0	Output 4 effect

Value xxx	Description
0	No effect
1	Neon effect
128	Output active with F0 - forward
192	Output active with F0 - backward

Short address 1 to 99 (examples)

CV	Default	Value
1	1	1-99
17	192	192
18	0	0
29	0	0

Long address 100 to 9999 (examples)

address	CV29	CV17	CV18	address value
CV18+0x256	34	192	100	100
	34	192	150	150
	34	192	255	255
CV18+1x256	34	193	0	256
	34	193	150	406
	34	193	255	511
CV18+2x256	34	194	0	512
	34	194	150	662
	34	194	255	767
CV18+3x256	34	195	0	768
	34	195	150	918
	34	195	255	1023
CV18+39x256	34	231	0	9984
	34	231	15	9999

