

# Digitrax Decoder Index

## DN121 Series



DN121

### [DN121 Instructions](#) — [Digitrax Decoder Manual](#)

<b>Physical Size</b>	0.36" x 1.0" x 0.18" 9.14mm x 25.4mm x 4.57mm	<b>Current Rating</b>	1.0/1.5 Amps
<b>Interface</b>	<b>Decoder End</b>	<b>Wires</b>	<b>End/Plug</b>
DN121	Wired	6.9"	175mm Wired

<b># Functions</b>	2	<b>Function Current Rating</b>	125mA	<b>Function Type</b>	<a href="#">STD</a>
<b>Prod Date</b>	02-13-2001	<b>Discontinued</b>	12-2003	<b>Replaced By</b>	<a href="#">DZ123</a>

CV#	Feature	Default	Range	Notes
<a href="#">2 Digit and 4 Digit Addressing</a>				
01	2 Digit Decoder Address	003/X03	001-127	
17	4 Digit Address Hi Byte	000/X00	0128-9983	
18	4 Digit Address Lo Byte	000/X00	00	
29	Configuration Register	006/x06	<a href="#">Table 29</a>	
<a href="#">Configuration Register</a>				
29	Configuration Register	006/X06	<a href="#">Table 29</a>	
	Address Selection, 2 or 4 digit	2 Digit	2 Digit or 4 Digit	
	Normal Direction of Travel (NDOT)	Forward	Forward or Rev <a href="#">Table 29</a>	
	Speed Step Control	28/128	14 or 28/128	
	Speed Table On/Off	Off	Speed Table On or Off	
	Analog Mode Conversion On/Off	On		
<a href="#">LocoMotion™</a>				
<a href="#">Acceleration &amp; Deceleration</a>				
03	Acceleration Rate	000/X00	000/x00 to 031/x1F	
04	Deceleration Rate	000/X00	000/x00 to 031/x1F	
<a href="#">Three Step Speed Table &amp; Start Voltage</a> available with 128 speed steps				
02	Start Voltage	000/X00	000/x00 to 255/xFF	
05	Maximum Voltage	000/X00	000/x00 to 255/xFF	000/x00, 001/x01 & 255/xFF= max voltage at step 28
06	Mid Point Voltage	000/X00	000/x00 to 255/xFF	000/x00 & 001/x01= straight line curve
<a href="#">28 Step Speed Tables</a> 128 speed step resolution				
65	Kick Start value			Not Available
66	Forward Trim			Not Available
67	First Speed Table Entry			Not Available
68-93	28 Step Speed Table Entries			Not Available
94	Maximum Speed Table Step			Not Available

95	Reverse Trim			Not Available
29	Configuration Register	006/x06		
Torque Compensation & Switching Speed				
53	Not Used			Not Available
54	Torque Compensation Switching Speed			Not Available
Functions				
13	DC Functions ON			Not Available
Configurable Strobes				
49	F0F, forward light effect			Not Available
50	F0R, reverse light effect			Not Available
61	Enable Configurable Strobe			Not Available
Standard, FX & FX3 Functions				
49	F0F, forward light effect white			Not Available
50	F0R, reverse light effect yellow			Not Available
51	F1, Function 1 green			Not Available
52	F2, Function 2 violet			Not Available
53	F3, Function 3 brown			Not Available
54	F4, function 4 white/yellow			Not Available
115	F5, Function F5 white/green			Not Available
116	F6, Function F6 white/blue			Not Available
62	FX Rate and Keep alive adjust			Not Available
63	Ditch Light Blink hold time			Not Available
<a href="#">Directional Headlights, Transponding, Split Field Motor</a>				
61	Directional Headlight	Directional	<a href="#">Table 61</a>	
	Transponding			Not Available
	Split Field Motor			Not Available
Scaleable Speed Stabilization				
55	Static Compensation			Not Available
56	Dynamic Compensation			Not Available
57	Speed Stabilizer-Droop			Not Available
SuperSonic				
09	Motor Frequency SuperSonic			Not Available
<a href="#">Advanced Consisting</a>				
19	Advanced Consist Address	000/X00	00	
21	Advanced Consist Function Control Override for F1-F8			Not Available
22	Advanced Consist Function Control Override for F0 & F9-F12			Not Available
Function Remapping				
33-46	Function Remapping CVs			Not Available
Decoder Factory Reset				
08	Reset Decoder to Factory Default CV Values			Not Available
<a href="#">IDs</a>				
105	User Private ID #1	000/X00		
106	User Private ID #2	000/X00		
07	Version ID	000/X00	00	
08	Manufacturer ID	129/X81	129	

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