

# Digitrax Decoder Index

## DN140 Series



### [DN140 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>
W	Wired	6.9"    175mm	Wires

<b># Functions</b>	4	<b>Function Current Rating</b>	125mA	<b>Function Type</b>	<a href="#">FX</a>
<b>Prod Date</b>	03-28-1997	<b>Discontinued</b>	06-01-2000	<b>Replaced By</b>	<a href="#">DN142</a>

### [FX Motor Isolation Protection Note](#)

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	CV17 & 18 are used together
18	4 Digit Address Lo Byte	000/x00	0128-9983	
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 or 4 Digit	
	Normal Direction of Travel (NDOT)			Not Available
	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	On or Off	
<a href="#">LocoMotion™</a>				
<a href="#">Acceleration &amp; Deceleration</a>				
03	Acceleration Rate	000/x00	000/x00 to 031/x1F	128 Steps
04	Deceleration Rate	000/x00	000/x00 to 031/x1F	128 Steps
<a href="#">Three Step Speed Table &amp; Start Voltage</a>				
02	Start Voltage	000/x00	000/x00 to 255/xFF	128 Steps
05	Maximum Voltage	000/x00	000/x00 to 255/xFF	28 Steps 000/x00, 001/x01 & 255/xFF= max voltage at step 28
06	Mid Point Voltage	000/x00	000/x00 to 255/xFF	28 Steps 000/x00 & 001/x01= straight line curve
<a href="#">28 Step Speed Tables</a> -28 step only				
65	Kick Start value	000/x00		28 Steps
66	Forward Trim	000/x00		28 Steps
67	First Speed Table Entry	000/x00		28 Steps
68-93	28 Step Speed Table Entries	000/x00		28 Steps

94	Maximum Speed Table Step	000/x00		28 Steps
95	Reverse Trim	000/x00		28 Steps
29	Configuration Register	006/x06	<a href="#">Table 29</a>	Set to enable speed tables
Torque Compensation & Switching Speed				
53	Used for FX in FX Decoders			Not Available
54	Torque Compensation Switching Speed			Not Available
DC Functions				
13	DC Functions ON			Not Available
<a href="#">FX Functions</a>				
49	F0F, forward light effect white	000/x00	<a href="#">FX Effects Table</a>	
50	F0R, reverse light effect yellow	000/x00	<a href="#">FX Effects Table</a>	
51	F1, Function 1 green	000/x00	<a href="#">FX Effects Table</a>	
52	F2, Function 2 violet	000/x00	<a href="#">FX Effects Table</a>	
53	F3, Function 3 brown	000/x00		Not Available
54	F4, function 4 white/yellow	000/x00		Not Available
115	F5, Function F5 white/green	000/x00		Not Available
116	F6, Function F6 white/blue	000/x00		Not Available
62	FX Rate and Keep alive adjust	000/x00	000/x00 to 255/xFF	
63	Ditch Light Blink hold time	000/x00	000/x00 to 255/xFF	
<a href="#">Directional Headlights, Transponding, Split Field Motor</a>				
61	Directional Headlight		Directional Only	Not Available
	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/x000	000/x00 to 255/xFF	Default is OFF
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	Read/Write	
08	Manufacturer ID	129/x81		

Information provided here is correct to the best of our knowledge.  
Please report any errors or omissions, to [info@digitrax.com](mailto:info@digitrax.com)

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