Jacobsen Declaration Exhibit L

Instructions for DH121 Series Decoder Installation DH121, DH121P, DH121PS, DH121AT



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Digitrax Command Control _____

DH121 1.5 Amp Digital Command Control Decoder

1.5 Amp (2.0 Amp Peak) Mobile DCC Decoder

Easy connect decoder wire harness

Supports Both Short (127) & Long (10,000) Address Modes

User Programmable Address, Acceleration, Deceleration, Start-voltage, Mid-point voltage, Max Voltage and more

Programmable from DCC compatible equipment without opening the loco

Smooth conversion to analog operation with functions operational

2 User Configurable, Independent Function Leads Rated at 200ma Can be used as independent functions or directional headlights

Smooth locomotive speed control with user selectable 14, 28, or 128 forward & reverse speed step capabilities

User loadable speed tables for customized speed control

Supports Basic, Advanced & UniVersal Consisting

Compatible with the NMRA DCC Standard

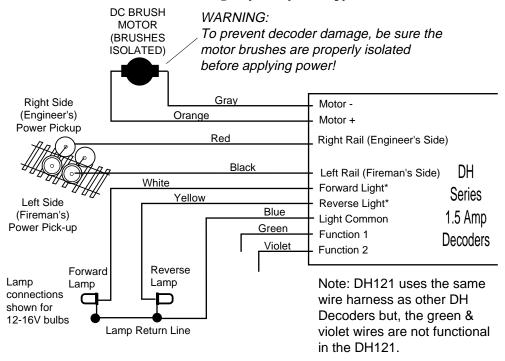
Complies with FCC Part 15, class B RFI requirements

CE Made in USA



Decoder Installation Wiring Diagram For DH121 Series Decoders

See Digitrax Decoder Users Manual for complete decoder test procedures, installation instructions & technical information. This manual is available at no charge from your dealer. If your dealer is out of these manuals, contact Digitrax (770) 441-7992, Fax (770) 441-0759, or e-mail sales@digitrax.com and we will gladly send you a copy.



* On DH142 & DH121, forward and reverse lights can be run as independent functions on F0 & F4. See CV61 below and see Digitrax Decoder Manual for Complete Instructions.

| Commonly Used Configuration Variables | | | Commonly Used Configuration Variables | | |
|---------------------------------------|-------------------|--|---------------------------------------|-----------------------|------------|
| CV# | Used For | Default | CV# | Used For | Value |
| CV01 | 2-digit address | 03 | CV61 | Directional Lights or | 0 |
| CV02 | Start Voltage | 0 | | White=F0 & Yellow=F4. | 1 |
| CV03 | Acceleration Rate | 0 | CV49-54 | FX Effect Set ups | See Manual |
| CV04 | Deceleration Rate | 0 | CV65-95 | Loadable Speed | |
| CV05 | Maximum Voltage | 0 | | Tables | See Manual |
| CV06 | Mid Point Voltage | 0 | | | |
| CV29 | Configuration | 06=Advanced Mode, Analog Conversion On | | | |
| | Register | 04=Standard Mode (14 Speed Steps), Analog Conversion On | | | |
| | Examples: | 07=Reversed Direction, Advanced Mode, Analog Conversion On | | | |
| | | 16=Enable Loadable Speed Table, Analog Conversion On | | | |

Damaged decoders should be returned directly to Digitrax for repair.

The standard repair charge is \$17.