



DN121

Fits Many N and HO Scale
Locomotives

N-Scale
Mobile Decoder
1.0 Amp/1.5 Amp Peak

Features

- 1 Amp (1.5 Amp Peak) Mobile DCC Decoder
- New Thin Profile for easier installation
- Supports Both Short (127) & Long (10,000) Address Modes
- User Programmable Address, Acceleration, Deceleration, Start-voltage, Mid-point voltage, Max Voltage and more
- Constant brightness directional headlights (Does not support independent forward & reverse light operation)
- Programmable from DCC compatible equipment without opening the loco
- Smooth conversion to analog operation with functions operational
- Smooth locomotive speed control with user selectable 14, 28, or 128 forward & reverse speed step capabilities
- Supports Basic, Advanced & UniVersal Consisting
- Compatible with DCC standards
- Complies with FCC Part 15, class B RFI requirements

Parts List

1 DN121 Decoder

1 Instruction sheet

Installation Information

See the Digitrax Decoder Manual for complete decoder test procedures, installation instructions, programming and technical information. Digitrax manuals and instructions are updated periodically. Please visit www.digitrax.com for the latest versions, technical updates and additional locomotive-specific installation instructions.

Installation Instructions

1. Carefully remove the locomotive's shell from the frame. Notice the orientation of the shell to the frame so that you can reinstall correctly.
2. The DN121 wiring harness allows the decoder to be easily installed in a variety of locomotives. The bare ends of the wires of the harness are wired to the motor connections, power pickup connections and the lights according to the diagram on the back. (*Figure 1*)

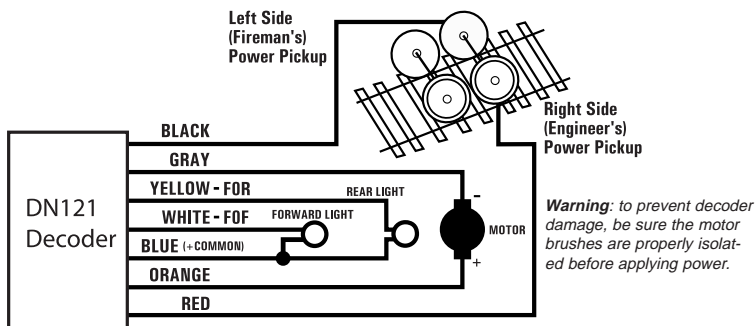


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3. Replace the loco shell. You are now ready to run your locomotive. The DN121 is factory programmed to address 03. You can easily customize the address and other features. See section the Digitrax Decoder manual for complete instructions on customizing your decoder.

Figure 1. DN121 Wiring Diagram



Installation Notes:

1. Do not exceed the decoder's 200mA total function output rating.
2. We recommend that the Blue wire, also called +Common or Lamp Common, be connected as shown. If you wish to omit the Blue wire in your installation, consult the Digitrax Decoder Manual.
3. To use a function output with an inductive (coil) type load, see the Digitrax Decoder Manual for more information to avoid damage to the decoder.
4. See the Digitrax Decoder Manual for full details of wiring 12-16V lamps, 1.5V lamps, and LEDs. Lamps that draw more than 80 mA when running require a 22 ohm 1/4 watt resistor in series with the directional light function lead to protect the decoder.

Digitrax Manuals & Instructions are updated periodically.

Please visit www.digitrax.com for the latest version of all manuals.

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