



Our Famous GOOF PROOF Warranty

1416 AS6

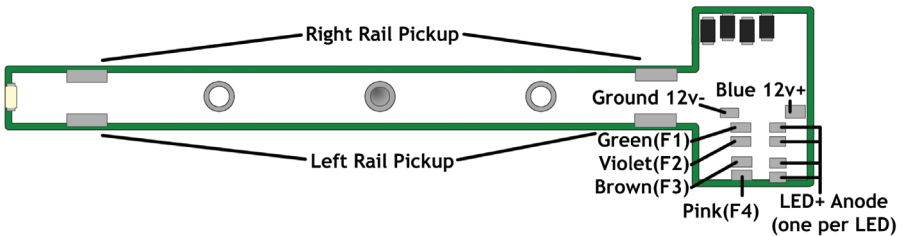
Scale	Functions	Function Rating	Continuous/Peak
HO	6	80 mA	1.0 /2.0 Amp

Dimensions 3.99"x.891"x.205" or 101.4mm x 22.64mm x 2.71mm

This full featured 6 function BEMF decoder fits the following Atlas HO Scale engines: S1, S2, S3, and S4. Included is our auto-adjusting BEMF for outstanding slow speed performance. Also includes Quiet Drive for super quiet engine performance.

WIRING DIAGRAM

This decoder features onboard 1K ohm 1/4 watt resistors for LED's!



NOTE: When installing the AS6 decoder care must be taken to ensure that the motor is properly isolated from the frame. Please visit the TCS website for detailed pictures and installation information.

INSTALLATION

For detailed installation pictures visit our website where we maintain a constantly growing database of a wide range of locomotives and decoders.



1416 AS6

Basic Configuration:

CV 29 Configuration

A	0	1	Reverse the direction the engine runs.
B	2	2	Use 28/128 speed step mode.
C	4	4	Enable analog (DC) operation.
D	0	16	Make the Loadable Speed Tables active.
E	0	32	Make the decoder address 128 or higher.
CV 29	6		← Program the sum of the values you choose into CV 29

2 Digit Address

Use if the address is 127 or less.

CV 1	3		← Record your choice here.
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Factory Reset

CV 8	153		Enter 2 to perform a Factory Reset.
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Main Features of this Decoder

- **Back EMF Load Compensation** for superior slow speed control even with heavy loads.
- **Quiet Drive** creates SUPER QUIET engine performance.
- **Autodetect** for realistic throttle response when using DC power.
- **Variable Momentum** lets you make custom acceleration curves.
- **20+ Lighting Effects:** Including adjustable dimness, alternating ditch lights, Mars Light, Gyra Light, and many more.
- **Function Remapping:** 13 buttons for most lights, 7 buttons for operations.
- **Railcom:** Supports Railcom feedback as well as programming on the main read and write.

Other Features of This Decoder: This decoder has too many features that could be listed on this page. For the complete list of available features, check out this product's page on the TCS website (www.tcsdcc.com). There you can find photographic installation guides, video tutorials, and complete technical documentation.

WARRANTY PROCEDURE: All decoders are covered by a one year goof proof warranty. **Please return in a small box.**

1. You **MUST** register the failed decoder on our website at www.tcsdcc.com.
If you do not have access to a computer you **MUST** call to register your warranty at: (267) 733-3408
2. Print out a copy of the Warranty Registration and include it in the box with the decoder(s).
3. Return decoder(s) directly to TCS using the address below.

Train Control Systems

P.O. Box 341
845 Blooming Glen Rd.
Blooming Glen, PA 18911



Compatible with NMRA DCC

Phone 215-453-9145

Fax 215-257-0735

Email tcs@tcsdcc.com

Web www.tcsdcc.com

Made by TCS in the USA