



Intelligent Equipment  
Management Solutions

# BOA-WS

Give your Dash-2 fleet a 25% tractive effort boost without replacing your existing Dash-2 control system. The new BOA™-WS system from ZTR is a PLC-based control system, that replaces the WS10 module on EMD Dash-2 Locomotive and provides significant improvements in excitation control and adhesion.

The BOA-WS system is designed to integrate into your existing system with minimal installation effort and provide valuable improvements over your current hardware. While the system has been created with sophisticated microprocessor technology, it has also been engineered in the new FLEX Platform architecture, enabling it to withstand the rigors of the rail environment due to its rugged design and high reliability components.

Start with the BOA-WS to improve the performance of your locomotive today and easily add on components when upgrading to your next ZTR control system product.

**Advance** the **performance**  
of your aging Dash-2  
**locomotive** with a BOA-WS  
Excitation **Control** System



## Benefits

- 25% improvement in tractive effort
- Automatic short-term current regulation for the main generator and traction motors
- Easy installation and upgrades with FLEX Platform modular architecture
- Provides monitoring, diagnostics, logging and event counting
- Easily replaces Dash 2 WS10 with ZTR solid state technology
- Intuitive diagnostic interface with no software to install

©2016 ZTR Control Systems, LLC. All Rights Reserved. (10/16)



info@ztr.com ■ 1-952-233-4340 ■ www.ztr.com