

JUPITER II CONTROL SYSTEM



Harsco Rail's Jupiter II Control System is an intelligent distributed I/O system. Jupiter II excels by genuinely distributing application intelligence and processing to the nodes of its control network that completely sidesteps network bandwidth issues. Jupiter II is fully scalable, making it possible to apply this powerful system to the largest and smallest of a wide range of products.

Built from the ground up to deliver unsurpassed diagnostic capability, the Jupiter II Control System is of vital importance and value to modern railroad maintenance operations.

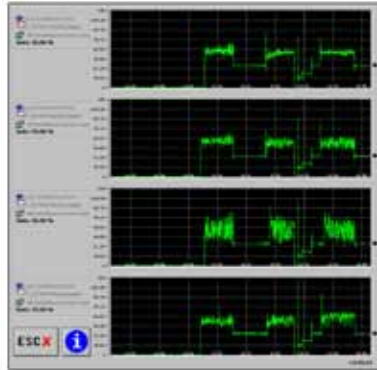
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Features & Benefits

Harsco's industry leading Jupiter II Control System provides unparalleled sophistication while simplifying machine operation and maintenance. Jupiter II also enables application aware fallback functionality that provides an unprecedented level of reliability and fault tolerance. All of this is provided while maintaining complete interchangeability of a small set of low cost component parts.

Comprehensive Diagnostics

- All output channels detect and report short circuits
- All output channels detect and report open circuits
- Output channels monitor and display load current in Amps
- All digital I/O channels include status LED indicators
- Module status is monitored and reported in the case of failure
- Network communication is monitored and reported in case of failure
- Graphical diagnostics screens available



Simplified Electrical System

- Reduction of wires and wire terminations
- Use of quick disconnect cables
- Shorter wire runs
- Similar module types and cables are interchangeable

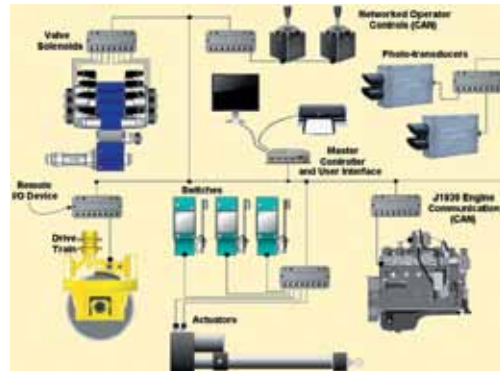


Improved Reliability

- Operating temperature 40 to +70°C
- IP67 rated
- Fully potted
- Molded cables

Scalable Platform

- Utilized on most Harsco Rail equipment
- Common hardware and schematics
- Fully potted
- Simplified training



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