

# 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.

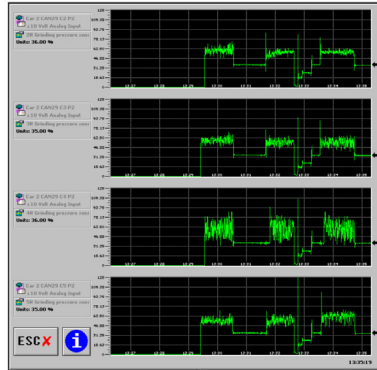
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## Features & Benefits

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

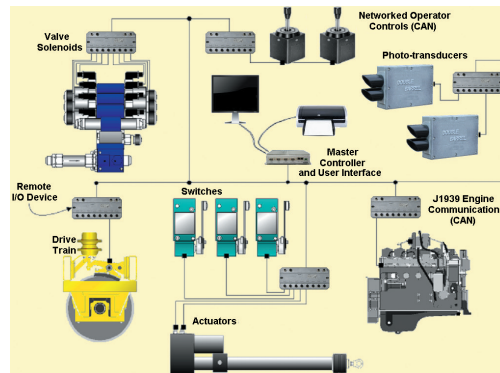


### Improved Reliability

- 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



### Harsco Rail Global Headquarters

3440 Torrington Way  
Suite 100, Building 3  
Charlotte, NC 28277, USA

Main Tel: +1 803 822-9160  
Email: [railinfo@harsco.com](mailto:railinfo@harsco.com)  
[www.harscorail.com](http://www.harscorail.com)



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### Harsco Rail, Harsco Corporation Facility Locations:

Harsco Rail Global Headquarters  
3440 Torrington Way  
Suite 100, Building 3  
Charlotte, NC 28277, USA  
Tel: +1 980 960-2624  
E-Mail: [railinfo@harsco.com](mailto:railinfo@harsco.com)

Harsco Rail Manufacturing Operations  
2401 Edmund Road, Box 20  
West Columbia, SC 29171-0020, USA  
Tel: +1 803 822-9160  
E-Mail: [railinfo@harsco.com](mailto:railinfo@harsco.com)

Harsco Rail Engineering Center  
306 West 4th Street  
Fairmont, MN 56031-1837, USA  
Tel: +1 507 235-7376  
E-Mail: [railinfo@harsco.com](mailto:railinfo@harsco.com)

Harsco Rail Manufacturing Operations  
200 South Jackson Road  
Ludington, MI 49431, USA  
Tel: +1 231 843-3431  
E-Mail: [railinfo@harsco.com](mailto:railinfo@harsco.com)

Protran Technology  
1960 Old Cuthbert Road  
Suite 100  
Cherry Hill, NJ 08034, USA  
Tel: +1 856 779-7795  
E-Mail: [info@protrantech.com](mailto:info@protrantech.com)

Harsco Rail Pty Ltd Australia  
4 Strathwyn Street, P.O. Box 5287  
Brendale  
Queensland 4500, Australia  
Tel: +61 7 3205 6500

Harsco Rail Ltd United Kingdom  
Unit 1, Chewton Street, Eastwood  
Nottingham NG16 3HB, United Kingdom  
Tel: +44 (0) 1773 539480  
Email: [uksales@harsco.com](mailto:uksales@harsco.com)

Harsco Rail Ltda Brazil  
Av. Marechal Câmara, 160 / 1615,  
Centro  
Rio de Janeiro RJ 20020-080, Brazil  
Tel: +55 21 2510-5164 / -5151

Harsco Rail Europe GmbH  
Luetticher Str. 130  
40547 Duesseldorf, Germany  
Tel: +49 (0) 211 60116 0  
E-Mail: [info@harsco-r.de](mailto:info@harsco-r.de)

Harsco Rail China  
Room C1201 Tower 2,  
No.36 BeiSanHuan Dong Lu,  
DongCheng District,  
Beijing 100013, P.R. China  
Tel: +87 10-6590-6399

Harsco Track Machines and Services  
Private Limited India  
2nd Floor, Building Alpha,  
Bengal Intelligent Park Block EP & GP,  
Sector V, Salt Lake, Kolkata  
700091 West Bengal, India  
Tel: +91 33 2357 5651

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