



Central Tire Inflation System

Bulletin TRT-B3



ENGINEERING YOUR SUCCESS.

Central Tire Inflation System

Improved Productivity, Performance and Enhanced Ride Comfort

The Parker Central Tire Inflation System, or CTIS, is an electronically controlled tire inflation system designed to offer improved productivity for vehicles operating in agricultural environments. Featuring precedent-setting deflation

rates, the Parker CTIS provides improved performance on demand.

The CTIS offers extended tire pressure operating ranges and allows the operator to lower tire pressures in the field to reduce

soil compaction, rutting, wheel slip, and operator fatigue. The completely sealed wheel valve offers greater reliability when operating in harsh environmental conditions such as mud, dust, snow and ice.



Optimal mobility in varying terrain



Reliable performance in harsh environmental conditions



Best in class performance

Value	Feature
Optimal mobility on demand	Industry precedent setting deflation rates
Improved mobility, traction and floatation to mitigate soil compaction, wheel slip and rutting. Enhanced ride comfort.	Extended tire pressure operating range
Reliable operation in harsh environmental conditions	Completely sealed wheel valve
Reduced front end engineering Streamlined training and maintenance Simplified logistics due to part number reduction	Common components accommodate installation variations
Superior fault detection and mitigation	Independent tire control
Best in class performance	Patented wheel valve technology
Seamless vehicle integration	Vehicle integration capabilities
Reduced downtime	User friendly troubleshooting

General Specifications

Electrical

Voltage: 12 VDC

Max. current draw: 6 Amps
(4x4 system)

System IDs: Resistive tags

Communications

SAE J1939 compliant

Baud rate: 250K or 500K
(250K preferred)

Environment

Temperature range: -30°C to 71°C

IP67 compliant (controllers)

IP68 & IP69K compliant (wheel valves)

Salt spray: 336 hours per ASTM B-117

Diagnostic

PC-based diagnostic tool available

RP 1210B compliant

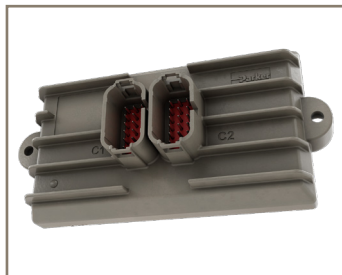
Recommended Pneumatic Connections

Channel lines: 9/16" internal diameter or equivalent

Supply line: 5/8" internal diameter or equivalent



Pneumatic Control
Unit



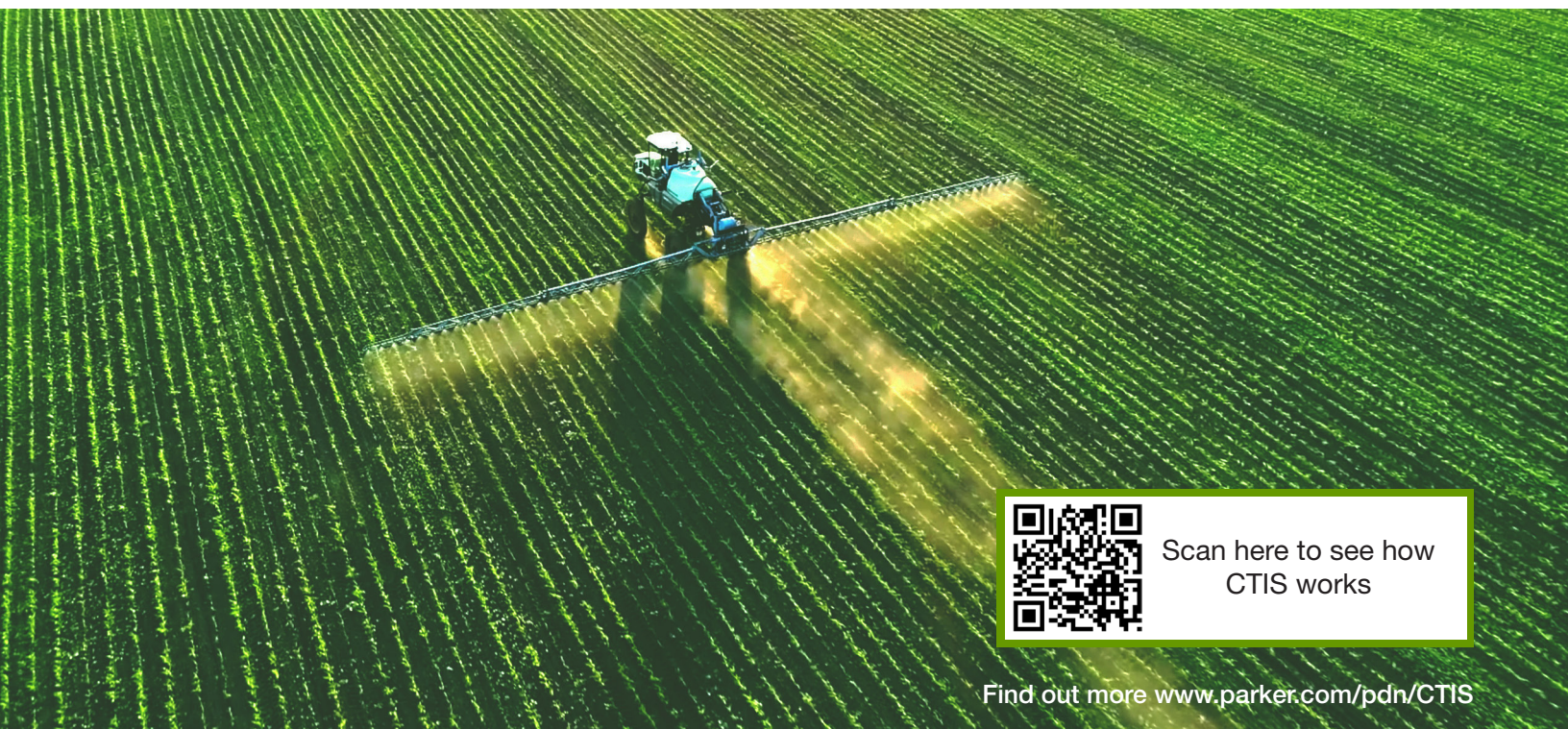
Electronic Control
Unit



Ported Wheel
Valve



Human Machine
Interface



Scan here to see how
CTIS works

Find out more www.parker.com/pdn/CTIS

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