

PLC Multi-Voltage Reader Module

The PLC4TRUCKS PLC Reader module (PLCR) provides communications for RS232, J1708 or TTL equipped devices to access the PLC messages that reside on the Tractor and Trailer ABS wire. The module can directly read the PLC Identifier/Tag and thus allow wireless devices to read Tractor or Trailer IDs and establish hook and unhook event times - data can also be read from ABS Modules and Sensors on the PLC bus.



What is Power Line Carrier Technology?

Power Line Carrier Technology or PLC for short, transmits digital data onto the vehicles power line and allows tractor to trailer communications without adding any new wires.

Allows any wireless or OBC on the tractor or trailer, with a serial/J1708 interface to receive PLC messages.

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Features of PLC Reader

- 10 to 32 VDC Operating Voltage
- RS232 or J1708 or RS485 or TTL Host interface
- Automatic ignition on detection
- One digital output
- One digital active low input
- FEEDTHRU or FILTER operating modes (Host selectable)
- Theft Indicator/Trigger

MV Reader Specifications: (Patent Pending)

- Supply Voltage: 10 to 32 VDC
- Reverse Battery Protection
- Load Dump Protected
- Reverse Transient Protection
- Typical Supply Current – 36mV

Operating Temperature -40° to 85° C

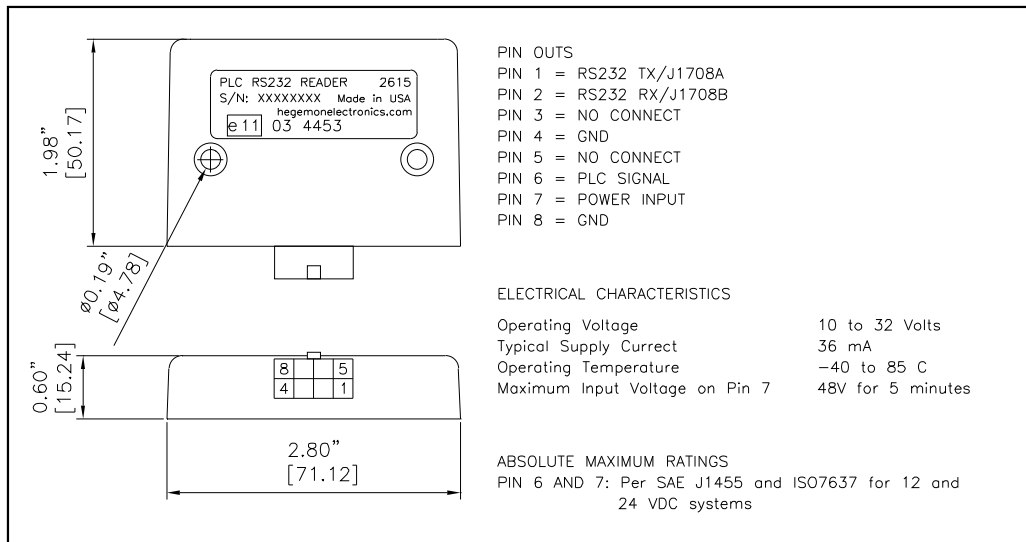
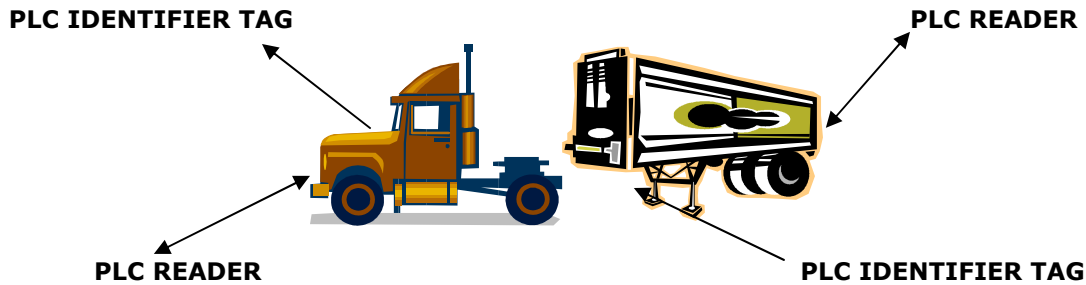
Storage Temperature -40° to 85° C

Weight 3.1 oz. (87 g)

Physical Dimensions

3.25x1.98x0.60 inches

Typical Application of the Multiple Voltage PLC READER



Part# 2615: RS232 Reader with Digital Output, Multi-Voltage (E-mark approved)

Part# 2434: J1708 Reader with Digital Output, Multi-Voltage

Part# 2924: RS485 Reader with Digital Output, Multi-Voltage

- Positive trailer and/or tractor identification
- ABS Warning Information
- Trailer ID from trailer ABS
- Tire Pressure Information
- Reefer Temperature
- Reefer control from Cab
- Trailer Door Status
- Brake Stroke Indicator
- Theft Indicator/Trigger

About Hegemon Electronics

Since 1994, Hegemon Electronics has offered complete design services for the OEMs. We offer complete turnkey design services from conception through production. We specialize in the heavy-duty automotive market but are versatile enough to take on other projects such as test equipment and other areas. Here are some services offered by Hegemon Electronics:

- Analog and Digital System Design
- Embedded Electronic System Designs
- Software Development in C/ C++ and Visual Basic
- PCB Layout
- Test Equipment Design
- EMC Compatibility Solutions
- Complete System Designs
- Product Manufacturing