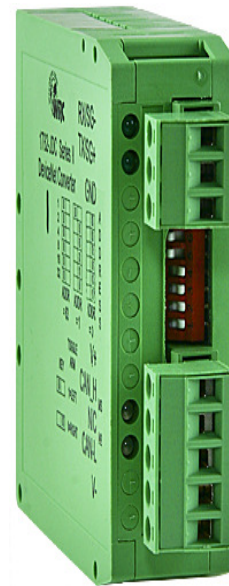## DeviceNet™ to ASCII Gateway
1782-JDC-x

The DeviceNet™ to ASCII gateway allows users to connect and integrate ASCII devices into a control system through a DeviceNet network. These gateways function as a DeviceNet adapter, and support connecting to a wide variety of serial ASCII devices through either the RS-232 port or the RS-485 port. The gateway is a general-purpose interface that exchanges data between ASCII device(s) and a DeviceNet scanner. This gateway does not interpret the data being exchanged so it may be of any nature or definition. The gateway couples simplicity with cost effectiveness enabling its use in a wide variety of applications.

DeviceNet Features:

♦ ODVA Conformance tested to DeviceNet Spec 2.0
♦ Gateway is powered from the DeviceNet network
♦ DIN-rail mountable
♦ Pluggable 5-pin DeviceNet connection
♦ Communications Device Profile 12 (Chex)
♦ Address selection via DIP switches
♦ Autobaud operation
♦ Supports Polled I/O and Explicit Messaging
♦ Pluggable RS-485 2-pin connection or RS-232 3 Pin Connection
♦ 2 standard DeviceNet module and network status LEDs

ASCII Features:

♦ Serial port baud rate up to 38.4k baud
♦ Software Configurable Parameters
♦ Supports string lengths up to 124 bytes
♦ Special mode performs byte swapping of serial message for PAC/PLC compatibility
♦ 2 serial transmit and receive LEDs

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Hardware Specifications

Specification	Description
Baud Rate Selection	Software selectable (1200 through 38.4k baud)
Cable Connection	**JDC**: 3-pin pluggable header (male) Phoenix Contact MSTBA 2.5/3-G-5.08/AU or equivalent **Serial Cable**: 3-contact plug (female contacts) Phoenix Contact MSTB 2.5/3-ST-5.08/AU or equivalent (included)
LED Indicators	MS Module Status: green/red bi-color LED NS Network Status: green/red bi-color LED RX - Receive TX - Transmit
Maximum Power	Network Isolation: 1000 Vdc Current: 160 mA @ 11 Vdc to 70 mA @ 25 Vdc Unregulated Power Supply Power: 1.75 W
Dimensions	Length: 3.54" (90 mm) Width: .98" (25 mm) Height: 3.11" (79 mm)
Operating Temp	0 ºC to 70 ºC
Humidity	Up to 95% RH, with no condensation

Ordering Information

1782-JDC
DeviceNet™ to ASCII Gateway

1782-JDC-1   Isolated RS-232

1782-JDC-2   Isolated RS-485

1782-JDC-4   Isolated RS-422

How to Contact Us: Sales and Support

Sales and Technical Support for this product are provided by ProSoft Technology. Contact our worldwide Sales or Technical Support teams directly by phone or email:

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