

INC,LLC

SERIAL GATEWAY

CANRS01



NEMA 4X



ABS Plastic

Overview:

The serial gateway is a bridge between a CAN network such as DeviceNet[™] or CANopen and other serial devices. The gateway has two serial ports that can be selected at purchase time. The supported serial types are RS232, RS485, and CAN. Other protocols such as Modbus, J1939, and J1708/1587 that lay on top of these physical mediums are available in different models (see vehicle gateway and Modbus gateway). The serial gateway can be operated in a pass through mode, where the user sends the number of bytes and the raw data to transmit and the device transmits the information to the serial port. The data received on the serial port is converted to the network protocol and the number of bytes received and the raw data received are made available on the network. A second mode is also supported that allows the user to configure the gateway to send and receive formatted messages. This mode allows the conversion to be accomplished in the gateway instead of in the controller.

The gateway is available in three different enclosures, economical black ABS plastic, Nema 4 aluminum alloy, or Nema 4X polycarbonate. All versions (except with internal screw terminal connections) are potted to help protect against vibration, shock, and foreign matter. The Network connector is available in a standard 5 pin sealed micro connector or a low cost 5 pin Combicon connector with screw flanges. The Combicon connector allows the use of lower cost cabling, and also allows the use of a dual row Combicon plug to facilitate the daisy chaining of modules in the network.

Network Operation:

The DeviceNet version supports UCMM Explicit, Poll, Peer-to-Peer, COS, and Strobe connections.

The CANopen version supports communication through SDOs and PDOs.

Please see the CANRS01 CANopen and CANRS01 DeviceNet Network Specifications for more details.

Applications:

Weigh scales, bar code readers, terminal interfaces.

Ordering Information:

Order #: CANRS01-NT-NC-NI-PT1-C1-PT2-C2-EN-T

Abbreviation	Meaning	Option
NT	Network Type	CO= CANopen DN= DeviceNet™
NC	Network Connector	MC=5 pin micro CB=5 pin Combicon with screw flanges (available only in econo enclosure)
NI	Network Isolation	NI= Non-Isolated IS= Isolated (Isolation is required for DeviceNet™ compliance if the unit is connected to a device powered by a source other than DeviceNet™)
PT1	Port 1 Type	232= RS232 485= RS422/RS485
C1	Connector Port 1	DB= DB-9 ST= Internal Screw terminals w/strain relief PT= Pigtail w/strain relief (please specify cable type and length when ordering)
PT2	Port 2 Type	232= RS232 485= RS422/RS485 CAN= CAN
C2	Connector Port 2	DB= DB-9 ST= Internal Screw terminals w/strain relief PT= Pigtail w/strain relief (please specify cable type and length when ordering) CB= 5 pin Combicon with screw flanges MC= 5 pin Micro
EN	Enclosure Type	AB=ABS AL=Nema 4 Aluminum PC=Nema 4X Polycarbonate
T	Temperature Range	C=Commercial (0-70C) E=Extended (-40 +85C)