

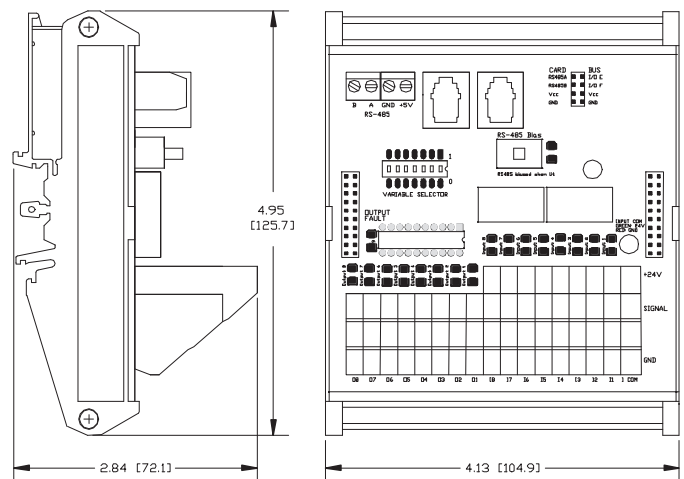
The DINIO-RS485 is a DIN Rail Mount, 16 channel (8 inputs and 8 outputs) 24V optically isolated, field addressable, expanded Input/Output board. It communicates over an optically isolated RS485 network, and can be set to baud rates between 2400 and 38400 bps. Each DINIO-RS485 has 2 RJ-45 connectors as well as screw terminal access to allow easy connection of up to 102 blocks (816 inputs and 816 outputs) on a given RS485 network. Communications are via standard PRINT1 commands on Com Port 1 of any Animatics SmartMotor™.



Capabilities include:

- Read an individual input (0 through 815) state
- Read an individual output state
- Set an output state to “ON” (sourcing) or “OFF”
- Read all inputs and outputs on all Input/Output cards present
- Responses are global and are received by any and all Animatics SmartMotors on the RS485 network
- Selectable byte wide responses to array variables
- Selectable single bit/channel responses to the variable z

These capabilities allow for convenient event-driven coding where only a specific input event is needed to trigger another event across any Animatics SmartMotor on the bus.



* All sizes are given in inches, sizes in brackets are in mm

Features	Benefits
8 Inputs, sink/source user selectable	Byte read capability
8 overload protected sourcing outputs	Byte write capability
+24 and/or ground rail connections on each channel	Input/Output devices are easily and conveniently wired
LED Indications include over-load fault, sink/source selection, and Input/Output channel status	Diagnostics at a glance
Feed-thru Bus	Compatible with other Animatics DIN-rail mount bus products

Electrical

Module input voltage:	12V to 30VDC
Module input current:	200 mA with no outputs active
Nominal input current:	5.7 mA @ 24V
Max output current:	200 mA/channel or 650mA total

Mechanical

Dimensions:	see figure above
Weight:	15 oz (425 g)