



DigiDrive™ II - Network Interface

Description

The DigiDrive™II - Network Interface (DDII-NI) controller is an extension of the DigiDrive™II family that adds remote access and control of the motor during operation. When linked to an interface board from Evolution Controls, remote single-phase motors can be monitored and controlled.

Evolution Controls, Inc (EVO) of San Diego offers a range of modules that use a 4-wire cable for controlling motor drives. Modules can be selected to create simple one-to-one networks or more complex multi-drop ModBus networks. The DDII-NI is compatible with any EVO configuration.

Capabilities

The DDII-NI supports remote control of motor speed, as well as feedback of speed and status information. The configuration port is still available for application tuning using DashDrive or P3 utilities.

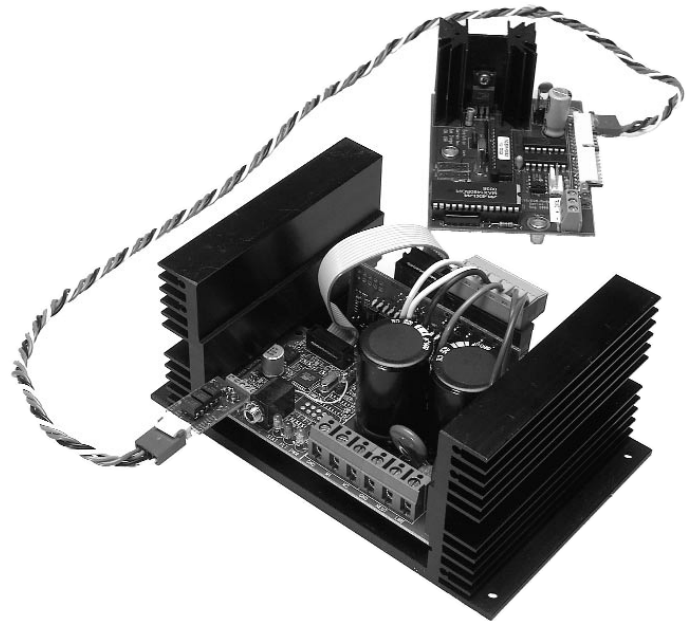
Models

The DigiDrive™II family controls single-phase PSC motors up to 1HP. From the SO161002A (115V, 3.5Amp output) to the SO172007B (230V, 6.5Amp output) adding a -002 suffix (i.e. SO161002A-002), specifies the addition of the DDII-NI option. In all other respects, the DigiDrive™II data sheets serve as the product performance matrix.

Network Options

A DDII-NI solution requires one or more boards from Evolution Controls to realize full system performance. The two primary interface boards are:

EVO-ANA-MODBUS provides a ModBus interface to the DDII-NI units. Each EVO-ANA-MODBUS interfaces up to 4 DDII-NI units to the ModBus line.



These units can be individually addressed, set and controlled, or they can respond to universal commands affecting all 4 drives (e.g. turn on or off).

Features

- 2 Wire bus
- Master can be PLC or PC
- 4000' bus length
- 31 EVO ModBus Boards per port
- Each EVO board supports 4 fans controlled independently
- Total of 124 fans from single port

EVO-ANA-IRC provides an Infrared remote control option to a DigiDrive™II. A hand-held Infrared remote can then turn DigiDrive on/off or vary the speed. This capability is especially useful in environments where the controller is placed in a hard to reach area (e.g. blower in ceiling) allowing commands to be applied remotely without physically accessing the control unit.

For assistance call 888-456-3398

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