Serial Module for WinPLC and EBC Systems

Automation Direct

PLC Overview

DL05/06 PLC

DL105 PLC

DL205 PLC

DL305 PLC

DL405 PLC

Field I/O

Software

C-more HMIs

Other HMI

AC Drives

Motors

Steppers/ Servos

Motor Controls

Proximity Sensors

Photo Sensors

Limit Switches

Encoders

Current Sensors

Pushbuttons/ Lights

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Comm.

TB's & Wiring

Power

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Enclosures

Appendix

Part Index

Serial Communications Module for WinPLCs & EBCs
H2-SERIO

H2-SERIO Specifications	
Module Type	Intelligent module for use with H2–WPLC*-** or PC/EBC system
# of Serial Ports per Module	3
# of modules supported per WinPLC	3
# of modules supported per EBC node	3
Protocols Supported	Serial ASCII and Modbus RTU slave
Connector	RJ12 jack
Power Consumption	210 mA @ 5 VDC
Operating Environment	0 to 60°C (32°F to 140°F), 5% to 95% RH (non-condensing)
Manufacturer	Host Automation Products, L.L.C.

Serial I/O module for WinPLCs

Add serial ports to your WinPLC system by simply plugging the H2-SERIO modules into the DL205 I/O base. This serial module is used exclusively with the WinPLC. The WinPLC communicates with the H2–SERIO module across the DL205 backplane.

Up to ten serial ports on a WinPLC system

The WinPLC has one built-in serial port. You can add as many as nine additional serial ports for Think & Do Studio or Think & Do Live! applications requiring multiple serial devices, such as barcode scanners. Connect to just about any serial device that communicates ASCII protocol. The H2-SERIO can also serve as a Modbus RTU slave.

Processing large amounts of serial data with a WinPLC

While the H2-SERIO module will support virtually any serial device, processing large amounts of serial data will increase the system response time. This is important to consider when using multiple H2-SERIO modules, especially in a WinPLC local base with an H2-ERM or H2-CTRIO.

Separate communications parameters for each port

Use Think & Do software packages to set baud rate, parity, data bits, and stop bits for each serial port. Choose from 300 baud to 57.6K baud communication speeds. Think & Do Studio or Think & Do Live! allows each port to be designated as a Modbus slave or a generic serial device. Each port on the H2–SERIO module is capable of full hardware hand-shaking.

Easy serial communications

All Think & Do PC control software products include advanced string and array functions that make transmitting, receiving and manipulating serial data a snap.
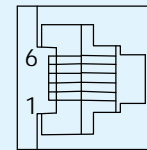
Using H2-SERIO in a PC-based control EBC system

Think & Do Studio version 6.5 supports the use of up to three H2-SERIO modules per EBC node in a PC-based control system. The master must be a PC running Studio 6.5 or later. This does not apply to a WinPLC system with an ERM module used for remote I/O.

The Think & Do features listed on this page for the WinPLC (receiving and manipulating data) also apply to a PC running the Think & Do software.

Pin Assignments for H2-SERIO ports

1	0V	Power (-) Connection (GND)
2	CTS	Clear to Send
3	RXD	Receive Data (RS-232)
4	TXD	Transmit Data (RS-232)
5	RTS	Request to Send
6	0V	Signal Ground (GND)

RJ12 (6P6C) Female Modular Connector