

INDUSTRIAL CONTROL COMMUNICATIONS, INC.

Features

Network

Profibus DP supporting data rates from 9.6kbaud to 12Mbaud.

ASD Connections

Two independent common serial ports for direct connectivity to Toshiba 7-series, 9-series, 11-series, and VF-nC1 ASDs.

Configuration

Modular support for one or two ASD data structures. All ASD data is accessible. Four modules are available.

Physical

Three independent isolated power supply sections. Main unit control power is drawn from the attached ASDs.

Field-Upgradeable

As new firmware becomes available, the PBDP-110 unit can be upgraded in the field by the end-user.

DIN-Rail Mount Enclosure

The enclosure is provided with a mounting clip attached to the rear of the unit.



The PBDP-110 provides Profibus DP connectivity for up to two Toshiba 7-series, 9-series, 11-series, and VF-nC1 Adjustable Speed Drives (ASDs). All Profibus data rates from 9.6kbaud to 12Mbaud are supported.

The PBDP-110 provides a modular network interface for direct support of either one or two ASD data structures. Three independent isolated power supply sections ensure maximum noise mitigation by isolating each ASD from the other, as well as from the Profibus network. Setup is effortless, simply requiring plug-in connection to the ASDs and Profibus network. The unit draws its power from the attached ASDs, and an ASD Autoscan algorithm allows the unit to automatically adapt itself to the ASD communication settings with no manual configuration required. Profibus network address setting is performed via DIP switches, and a versatile 3-way mountable DIN-rail enclosure provides flexibility to satisfy any installation requirement.

While the most commonly-used ASD command and status registers are directly defined within the network data structures, all available ASD information is accessible over the network via a custom command/response access method. In-field flash program upgrade capabilities also ensure that forward-compatibility with future ASD models is available.

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