OCS

New Product Bulletin

DeviceNet™ Scanner Communications SmartStack Module

Horner APG is pleased to announce the release of a powerful new communications module for the Horner OCS (Operator Control Station™) product family. The HE800DNT450 is an intelligent SmartStack module with DeviceNet Scanner capability. DeviceNet is an industrial fieldbus network supported by a wide-variety of manufacturers. The DNT450 allows the OCS product family to be used as a master to control distributed I/O systems supporting the DeviceNet standard. In addition to I/O products, there are a number of other industrial devices (variable frequency drives, motion control products, bar code scanners, etc.) available with a DeviceNet interface. *Horner is now accepting orders for the DNT450.*

Exceptional Versatility and Ease-of-Use

Compatibility, Programming & Configuration

The OCS product family typically uses SmartStack I/O as its real world interface. The DNT450 is an intelligent SmartStack module compatible with all large memory model OCS products. These include the OCS110, OCS210, OCS250, and all Color-Touch OCS models. Configuration of the DNT450 module is accomplished using Cscape™ software, version 5 or later. Windows™ based Cscape handles all elements of OCS programming (ladder logic, operator interface, I/O configuration, network configuration, etc.). Cscape supports the use of DeviceNet EDS files (electronic data sheets), but does not support configuration of slave devices directly. Slaves requiring software configuration must use manufacturer supplied configuration utilities.

DeviceNet Connections Supported

The DNT450 supports the DeviceNet polled and explicit connections. It can support slaves that are Group 2 only, or UCMM compatible. The DNT450 does not use UCMM for routine communications, but to establish either a polled or explicit connection with a UCMM compatible device.

Polled Connection

The DNT450 module will poll the DeviceNet slave devices residing on the network based on the DNT450's configuration. Polled Data is read/written by the DNT450 directly to I/O Reference types in the OCS Controller. These reference types include %I (digital inputs), %Q (digital outputs), %AI (analog inputs) and %AQ (analog outputs).

Explicit Connection

The DNT450 module has the capability to read/write data from/to any DeviceNet slave supporting the explicit connection. An area of OCS register memory is configured by the system designer to be a message transmit/receive buffer; these %R references are manipulated by the application program to generate the desired explicit message, and handle the slave response appropriately.

Horner APG, LLC

HE800DNT450 DeviceNet Scanner Module

Specifications

Operating Temperature	0 C to +60 C
Humidity	5% to 95% non-condensing
CAN Power Usage	12-25VDC at 75mA maximum
Agency Approvals	CE approval, UL & C-UL

Part Numbers	Description
HE800DNT450	SmartStack DeviceNet Scanner Module

Contact your local sales representative for pricing and delivery.

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