

Plantscape Driver: DPR Recorders

Specification

Overview

The Honeywell DPR Recorder Interface provides access to all DPR 100, 180, 250, and 3000 analog and discrete parameters using the MODBUS RTU protocol.

Plantscape's Quickbuilder tool allows easy database entry and assignment of points to standard group displays, alarms, and trend sets.

Features

- Supports any mix of DPR recorders, up to 15 on one channel using RS-485 (2-wire) or RS-422 (4-wire)
- Apply driver to any one or more serial ports - COM1, COM2 or Stallion 8-port interface
- Block access to all analog and discrete inputs for maximum throughput
- Read access to printer status, relay output states, recorder alarm status, batch number, logic conditional trigger states
- Quickbuilder database setup allows:
 - Assignment of points to groups and trend sets with up to 8 points per group or trend display
 - Assignment of up to 4 alarms per point including PV Hi, HiHi, Lo, LoLo, Dev, rate of change
 - Assignment of point to fast, standard, and extended history
- Allows Plantscape to be used for:
 - Data archiving of data from the recorders
 - Replay of data in trend and tabular formats
 - Export of data to spread sheet for data analysis

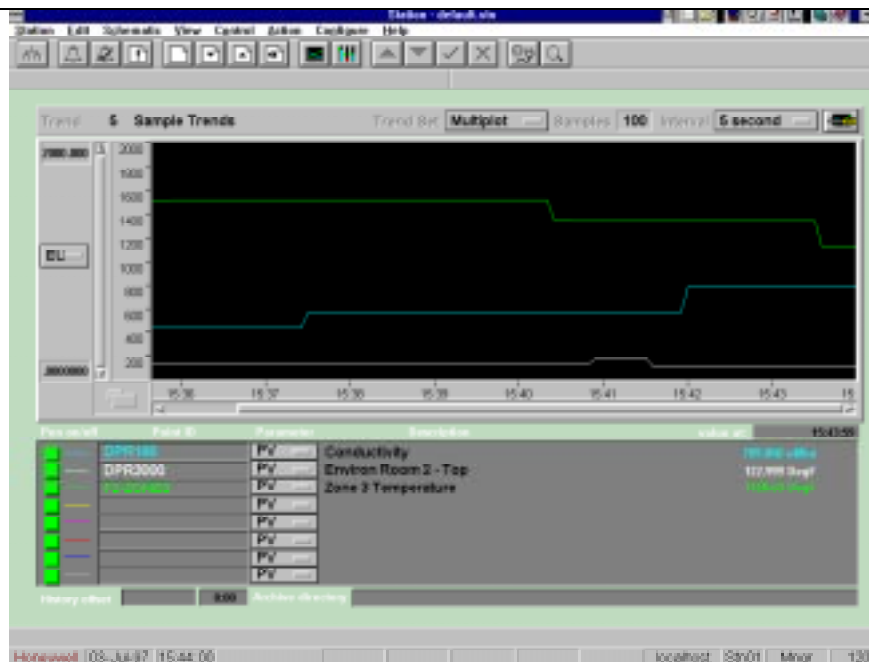
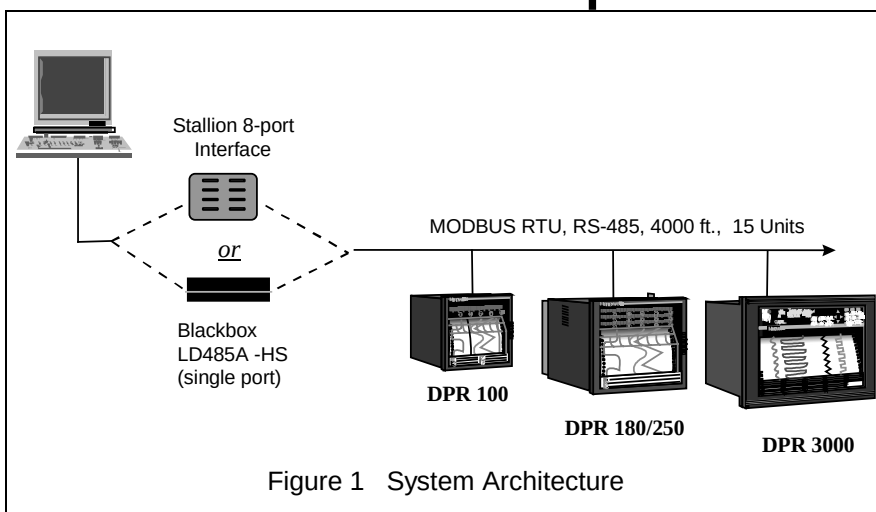


Figure 2 Standard Plantscape Trend Display

- Export of data to databases
- Report generation
- Central alarming
- Supervisory display of process data, from a single user station to networked operator stations

Parameter List					
	Read/Write	DPR 100	DPR 180	DPR 250	DPR 3000
Analog Inputs	R	x (1-6)	x (1-24)	x (1-64)	x (1-32)
*Comm Values	R/W	x (1-6)	x (1-24)	x (1-32)	N/A
Digital Inputs	R	x (1-4)	x (1-36)	x (1-48)	x (1-12)
Math Values	R	x (1-6)	x (1-32)	x (1-32)	N/A
Printer Status	R	x	x	x	x (1-12)
Alarm Status	R	x	x	x	x
Batch Number	R	x	x	x	N/A
Relay Status	R	x	x	x	N/A
Logic Trigger Status	R	N/A	x (1-20)	x (1-20)	N/A

*planned in future enhancement to the driver

N/A - Not Available

Specifications

DPR Recorders Interface	
Plantscape Model Number	MZ-NTIF22
Products Supported	DPR 3000, DPR 100, 180 250 (planned)
Interface	RS-485 or RS-422 multi-drip to 4000 ft (1200m), RS-232 to 50 ft. (15m)
Protocol	MODBUS RTU
Default/Max. Baud Rate	9600/19.2 KB (DPR3000), 9600 Baud/38.4 KB (DPR100/180)
Units Supported/Channel	31 using RS-485 (2-wire) or 15 using RS-422 (4-wire) (Recommend 15 DPR's per Plantscape channel max.)

Distributor :

Industrial Automation and Control

Honeywell Inc.

In the U.S.A.: Honeywell Industrial Automation and Control, 16404 North Black Canyon HWY., Phoenix, AZ 85023, (800) 343-0228

In Europe: Honeywell S.A., 80084 Amiens Cedex 2, (33) 22.54.56.56

Honeywell Control System Ltd., Honeywell House, Bracknell, UK-RG 12 1 EB, (44) 1344 826000

In Japan: Yamatake-Honeywell Co. Ltd., Nagai Int'l Bldg., 2 - 12 - 19 Shibuya-Ku, Tokyo 150 Japan, 81-3-3486-2051

In Asia: Honeywell Asia Pacific Inc., Room 3213-3225, Sun Hung kai Centre, No. 30 Harbor Road, Wanchai, Hong Kong, (852) 829-8298

In the Mediterranean: Africa and Middle East Region, Honeywell SpA, Via Vittor Pisani 13, 20124 Milano, Italy (39-2) 67731

Honeywell Pacific Division: Honeywell Pty Ltd., 5 Thomas Holt Drive, North Ryde Sydney, NSW Australia 2113, (61-2) 353 7000

In Canada: The Honeywell Centre, 155 Gordon Baker Road, Ontario M2H 3N7, 1-800-461-0013

In Latin America: Honeywell Inc., 14505 Commerce Way, Suite 500, Miami Lakes, Florida 33016-1556, (305) 364-2300