PD3000 Series

Customer Pole Displays

The Market Leading Pole Display

The PD3000 is widely known as the market leading pole display for PC-based POS systems. It has long set the standard for reliability, value and functionality – reasons why most value-added resellers ask for it and other Logic Controls pole displays by name.

Proven, Time-Tested Reliability

One of the reasons why the PD3000 is the leading pole display is its well deserved reputation as the most reliable offering on the market. The PD3000 uses special display technology and unique circuit design to achieve this reliability.

Advanced Functionality and Value

The PD3000 is a 2x20 line 5mm character height display that comes with much functionality that simply is not found in other vendors' pole displays. "Smart scrolling," user-definable characters, and a built-in real-time clock are all standard features of the unit's firmware. The PD3000 comes with a wide variety of interfaces, can emulate many popular command sets, and has better visibility due to an optically matched lens and wider character pitch. Best of all, this premium pole display is also one of the most affordable on the market.

- Two-line display with 20 5mm characters height
- Proven reliability
- Bright green vacuum fluorescent display
- Better visibility due to optically matched lens and wider character pitch
- Automatic message scrolling and "smart scrolling"
- Easily programmable for custom messages
- Wide choice of interfaces: USB, serial, parallel and pass-through
- User-definable characters and built-in real-time clock
- Available with emulation of many popular command sets, including OPOS/JPOS
- Adjustable viewing angles
- Available in beige and black, 120V and 220V

LOGIC® CONTROLS

An Innovative Manufacturer Since 1982

PD3000 SERIES CUSTOMER DISPLAYS SPECIFICATIONS

OPTICAL (FLUORESCENT DISPLAY)

Digits per Row	20
Number of Rows	2
Digit Configuration	5 x 7 Dot Matrix
Digit Height	0.20 in. (5.0mm)
Digit Width	0.14 in. (3.5mm)
Digit Pitch	0.20 in. (5.0mm)
Character Configuration	ASCII
Brightness	200 fl (690 cd/m2) max.
Display Color	Green
MTBF	300,000 hours

ELECTRICAL

Input Power (to adapter)	120VAC, 60Hz 220VAC, 60Hz (optional)
Output Power (from adapter)	6.0VAC, 1000mA
Connector	2 conductor female jack
Pole Connector	6-pin DIN (male)
Interface Cable	
Pole side connector	6-pin DIN (female)
Computer side connector	DB9 (female)
Power connector	2 conductor male jack

ENVIRONMENTAL

Operating Temperature	0 to +50C
Storage Temperature	-20 to +70C
Relative Humidity	
Operating	85% max. non-condensing
Non-operating	90% max. non-condensing
Vibration (10 to 55 Hz.)	4 G's
Shock	40 G's

INTERFACE

Serial	RS232C
Protocol:	
Baud Rate	600, 1200, 2400, 9600*, 19,200
Data Bit	8
Parity	None
Stop Bits	1, 2*

RTS/CTS Control lines are tied together in the connector.
DSR/DCD/DTR Control lines are tied together in the connector.

Parallel	Optional Interface
Pass-Thru	Serial, Parallel
USB	Optional Interface

* Preset at Factory

GENERAL INFORMATION

Power adapter and 6 foot cable (with DIN 6F and DB9F connectors) are supplied with product.

POLE DISPLAY EMULATION

The PD3000 series pole display is extremely versatile. It can emulate many other pole display command sets and support OPOS.

MECHANICAL

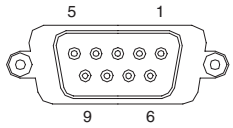
Weight	2.7 lbs.
Dimensions (in inches)	(width x height x depth)
Fluorescent Display	7.87 x 3.37 x 1.75
Rectangular Base	2.12 x 2.00 x 2.25
Base Plate	4.00 x 0.90 x 8.00
Overall Height	8 to 25 inches

CONNECTOR PINOUT

SERIAL

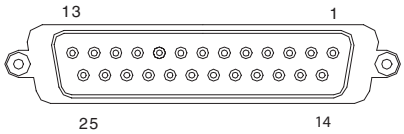
DB9 Female connector

Pin #	Function
1	DCD
3	Data
4	DTR
5	Ground
6	DSR
7	RTS
8	CTS



DB25 Female connector

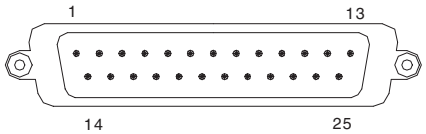
Pin #	Function
2	Data
7	Ground
4	RTS
5	CTS
6	DSR
8	DCD
20	DTR



PARALLEL

DB25 Male connector

Pin #	Function	Pin #	Function
1	-Strobe	10	-ACK
2	Data 0	11	Busy
3	Data 1	12	Paper End
4	Data 2	13	Select
5	Data 3	14	-Auto Feed
6	Data 4	15	-Error
7	Data 5	16	-Initialize Printer
8	Data 6	17	-Select Input
9	Data 7	18-25	Ground



ORDERING INFORMATION

PD3 _ _ _ U

- U: USB INTERFACE
  - POWER ADAPTER
    - 0 = 120VAC
    - 1 = 220VAC
- _ : SERIAL / PARALLEL INTERFACE
  - 0 = SERIAL 9600 BAUD
  - 1 = " 600 "
  - 2 = " 1200 "
  - 3 = " 2400 "
  - 4 = " 4800 "
  - 5 = " 19200 "
  - 9 = PARALLEL INTERFACE
- _ _ : COMMAND SET
  - 0 = LOGIC CONTROLS
  - 1 = LOGIC CONTROLS WITH PASS - THRU
  - 2 = SPECIAL COMMAND SET 1 (Aedex)
  - 3 = SPECIAL COMMAND SET 2 (Noritaki)
  - 4 = SPECIAL COMMAND SET 3 (Epson)
  - 5 = SPECIAL COMMAND SET 4 (UTC)
  - 9 = OPOS