LD9000 / X SERIES CUSTOMER DISPLAYS SPECIFICATIONS

OPTICAL (FLUORESCENT DISPLAY)

Digits per Row	20
Number of Rows	2
Digit Configuration	5 x 7 Dot Matrix
Digit Height	0.37 in. (9.5mm)
Difit Width	0.24 in. (6.2mm)
Digit Pitch	0.30 in. (7.7mm)
Character Configuration	ASCII
Brightness	900 cd/m2 Typical
Display Color	Blue-green
MTBF	300,000 hours

ELECTRICAL

Input Power (to adapter)	120VAC, 60Hz.
	220VAC, 60Hz. (optional)
Output Power (from adapter)	7.5VAC, 1A
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); Optional DB25 (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	Optional Serial or Parallel

* Default Preset at Factory

GENERAL INFORMATION

Power adapter and 6 foot cable (with DIN 5M and DB9F connectors) are supplied with product.

POLE DISPLAY EMULATION

The LD9000 series pole displays are very versatile. They can emulate many other pole display command sets.
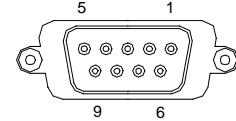
MECHANICAL

Weight	2.7 lbs.
Dimensions (in inches)	(width x height x depth)
Fluorescent Display	8.50 x 3.37 x 1.75 / 2.25
Rectangular Base	2.0 x 2.25 x 2.12
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
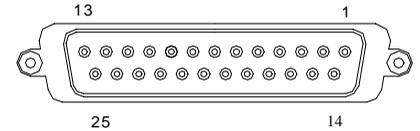
PARALLEL

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
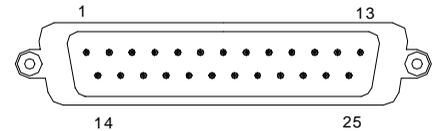
ORDERING INFORMATION

LD9 _ _ _ X - **DOUBLE SIDE**

POWER ADAPTER
0 = 120VAC
1 = 220VAC

COMMAND SET
0 = LOGIC CONTROLS
1 = LOGIC CONTROLS with Pass-thru
2 = SPECIAL COMMAND SET 1
3 = SPECIAL COMMAND SET 2
4 = SPECIAL COMMAND SET 3
5 = SPECIAL COMMAND SET 4

SERIAL / PARALLEL INTERFACE
0 = SERIAL 9600 BAUD
1 = "   600   "
2 = "   1200   "
3 = "   2400   "
4 = "   4800   "
5 = "   19200   "
9 = PARALLEL INTERFACE

LOGIC CONTROLS, INC., NY, USA