

Low Cost Serial Remote Display

With RS-232C/RS-422/RS-485 I/O

MODEL
P1



FEATURES:

- All ASCII Characters
- Programmable Baud Rate
- Programmable Address
- Limited Alpha Characters
- 5VDC Power Input
- 8-32VDC Power Input
- 120/240VAC Power Input
- Screw Terminal Connector
- Explosion Proof Housing Available
- Optional Green or Yellow LED Display
- Standard 0.6" tall LED digits

DESCRIPTION: PI's new P1 series of serial input remote displays are compatible with any ascii serial communications drivers. The communications protocol is a simple string containing the "s" start character, "xx" address, "d" and data to be displayed "888.8" followed by the <cr>. (example S01D123.4<cr> will display 123.4 on device with address 01).

Baud rate and address is software programmable (9600 Std). Both models have an LED on the upper left corner that can be addressed as sign, over-range or alarm. All connections are made through screw terminal connectors.



SPECIFICATIONS @ 25°C

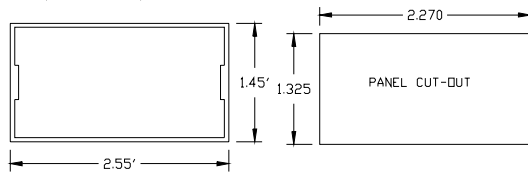
PARAMETER

Display Size	0.6" High
Power Consumption	1.0W Max
Power Input (Non Isolated)	5VDC ±5%
Power Input (Isolated)	8-32VDC (12-24VAC)
Power Input (Isolated)	120VAC
Baudrate (9600 Std.)	300-9600 Software select
Address (00-256)	Software programmable
Protocol Compliance	RS232C/RS422/RS485
Operating & Storage Temperature	0-60°C & -20-80°C
Environmental	NEMA 12
*Hazardous (Explosion Proof)	Yes in seperate housing
Housing Material	Polycarbonate 94VO
Isolation to Power Input	500V (except 5VDC)

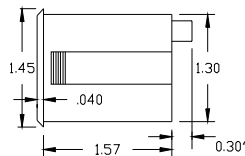
* **Note:** Explosion Proof Option meets Class I, Div1 & 2 groups B,C,D; Class II, Div 1 & 2 groups E,F,G; Class III, Nema 3,4,7,9 & 12; FMC, CSA, Cenelec and Baseefa.

HiQ111 MECHANICAL

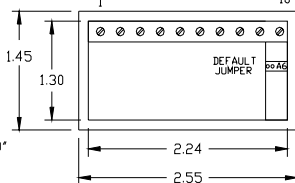
SNAP ON RING
(SNAPS ON BACK)



SIDE VIEW
ALL MODELS



REAR VIEW
MODELS HiQ111

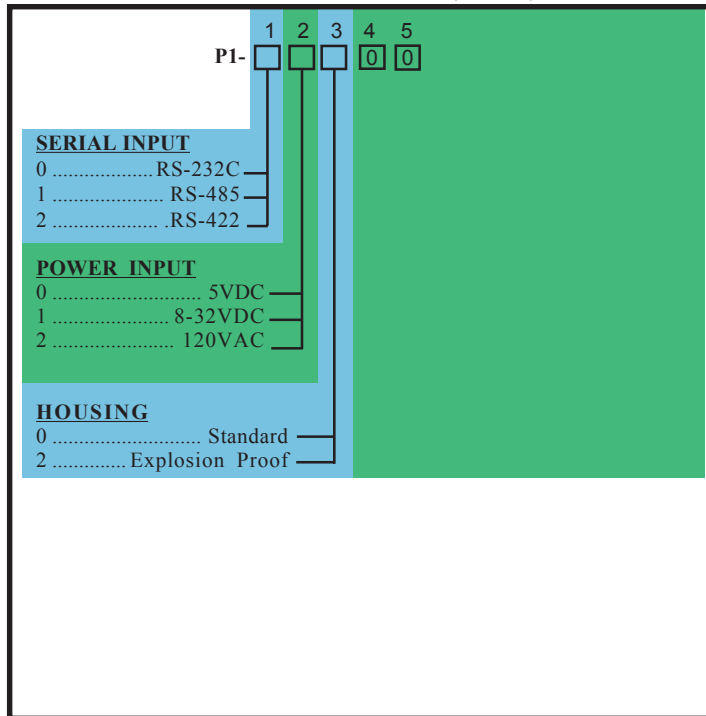


TERMINAL DESCRIPTION:

1: +VDC in; 2: -VDC In; 3: NC; 4: +5VDC I/O
5: NC; 6: Vcc Return(GND.); 7: RXD/DI; 8: TXD/DO
9: AC Hot; 10: AC Neutral

Note: When 8-32VDC or AC Power is included, its inputs are isolated from 5 VDC, GND, & Serial I/O lines.

ORDERING INFORMATION (01/2003)



*** All Pi's products are covered under a
24 Month warranty.***