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.

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

SPECIFICATIONS @ 25ºC

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display Size</td>
<td>0.6&quot; High</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>1.0W Max</td>
</tr>
<tr>
<td>Power Input (Non Isolated)</td>
<td>5VDC ±5%</td>
</tr>
<tr>
<td>Power Input (Isolated)</td>
<td>8-32VDC (12-24VAC)</td>
</tr>
<tr>
<td>Power Input (Isolated)</td>
<td>120VAC</td>
</tr>
<tr>
<td>Baudrate (9600 Std.)</td>
<td>300-9600 Software select</td>
</tr>
<tr>
<td>Address (00-256)</td>
<td>Software programmable</td>
</tr>
<tr>
<td>Protocol Compliance</td>
<td>RS232C/RS422/RS485</td>
</tr>
<tr>
<td>Operating &amp; Storage Temperature</td>
<td>0-60ºC &amp; -20-80ºC</td>
</tr>
<tr>
<td>Environmental</td>
<td>NEMA12</td>
</tr>
<tr>
<td>*Hazardous (Explosion Proof)</td>
<td>Yes in separate housing</td>
</tr>
<tr>
<td>Housing Material</td>
<td>Polycarbonate 94VO</td>
</tr>
<tr>
<td>Isolation to Power Input</td>
<td>500V (except 5VDC)</td>
</tr>
</tbody>
</table>

*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.
**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.

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**ORDERING INFORMATION (01/2003)**

**SERIAL INPUT**
- 0: RS-232C
- 1: RS-485
- 2: RS-422

**POWER INPUT**
- 0: 5VDC
- 1: 8-32VDC
- 2: 120VAC

**HOUSING**
- 0: Standard
- 2: Explosion Proof

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