**Electro-Pneumatic Regulator**

**Electronic Vacuum Regulator**

**How to Order**

**ITV**

- **2030**
- **SEN**
- **2**
- **DUQ00833**
- **X26**

- **Body Size**
  - 1010
  - 1030
  - 1050
  - 2010
  - 2030
  - 2050
  - 2090
  - 3010
  - 3030
  - 3050

- **Port Size**
  - 1/8 (1000)
  - 1/4 (1000, 2000) *
  - 3/8 (2000, 3000) *
  - 1/2 (3000)

- **Fieldbus**
  - EtherNet/IP
  - EtherCat
  - Profinet
  - ModBus/TCP
  - PowerLink

- **Thread Type**
  - Nil
  - Rc
  - N
  - NPT

- **Made to Order**
  - Nil
  - Standard Mounting
  - X26
  - Manifold Mounting *
  - X400
  - Gage Port **

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>1010</th>
<th>1030</th>
<th>1050</th>
<th>2010</th>
<th>2030</th>
<th>2050</th>
<th>3010</th>
<th>3030</th>
<th>3050</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. Supply Pressure (psi)</td>
<td>Set Pressure +14</td>
<td>-1.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Max. supply pressure (psi)</td>
<td>29</td>
<td>145</td>
<td>-14.7</td>
<td></td>
<td></td>
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<tr>
<td>Set Pressure Range (psi)</td>
<td>0.7 to 14.5</td>
<td>0.7 to 72.5</td>
<td>0.7 to 130.5</td>
<td>-0.2 to -11.6</td>
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</tr>
<tr>
<td>Power Supply Voltage</td>
<td>DC 24 V ± 10%</td>
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<td></td>
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<tr>
<td>Current Consumption</td>
<td>0.15A or less</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Input &amp; Output Signal</td>
<td>Ethernet Based Fieldbus</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Linearity</td>
<td>Within ± 1% (Full Span)</td>
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<td></td>
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<td></td>
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<tr>
<td>Hysteresis</td>
<td>Within ± 0.5% (Full Span)</td>
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<td></td>
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</tr>
<tr>
<td>Repeatability</td>
<td>Within ± 0.5% (Full Span)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Sensitivity</td>
<td>Within ± 0.2% (Full Span)</td>
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</tr>
<tr>
<td>Temperature Characteristics</td>
<td>Within ± 0.12% (Full Span) / °C</td>
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<tr>
<td>Ambient &amp; Fluid Temperature</td>
<td>0 to 50°C (32 to 122 °F) (No condensation)</td>
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<tr>
<td>Enclosure Rating</td>
<td>IP65</td>
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</tr>
<tr>
<td>Weight</td>
<td>Size 1000</td>
<td>8.8 oz.</td>
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<td></td>
<td>Size 2000</td>
<td>12.3 oz.</td>
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<tr>
<td></td>
<td>Size 3000</td>
<td>15.9 oz.</td>
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</tr>
</tbody>
</table>

**Features**

- Daisy chain Power Over Ethernet
- Built-in two port ethernet switch
- 12 bit resolution in/out
- Device Level Ring (Ethernet/IP)
- Quick connect (Ethernet/IP)
- Built-in web server
- Available in ITV1000, 2000, and 3000 sizes
- Silicone free option

**Notes**

- * Note: -X26 is available only for 2010, 2030, and 2050 sizes with 1/4 Rc only.
- ** Note: 2030, 2050 with 3/8 Rc port only.
- * Note: 2090 available with 1/4 port only.
- ** Note: 2030, 2050 with 3/8 Rc port only.
Ethernet ITV Manifold Assembly

SMC Corporation of America
10100 SMC Blvd. Noblesville, IN 46060
(800) SMC.SMC1 (762-7621)

All reasonable efforts to ensure the accuracy of the information detailed in this flyer were made at the time of publishing. However, SMC can in no way warrant the information herein contained as specifications are subject to change without notice.

www.smcusa.com
e-mail: sales@smcusa.com
For International inquiries:
www.smcworld.com

Ethernet ITV Manifold Assembly

IITV20-XX-X-20X0-SXX-DUR01490

Port size
2 1/4 (1000, 2000)
3 3/8 (2000, 3000)

Number of Stations
2 Station
3 Station
4 Station
5 Station
6 Station
7 Station
8 Station

Thread Type
Nil Rc(PT)
N NPT
F NPTF

Pressure
1 0.1 MPa
3 0.5 MPa
5 0.9 MPa

Protocol
SEN Ethernet I/P
SMB Modbus TCP

How to Order

Specifications

<table>
<thead>
<tr>
<th>Voltage</th>
<th>24 VDC ± 10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Signal (Digital)</td>
<td>12 BIT + SIGN</td>
</tr>
<tr>
<td>Output Signal (Digital)</td>
<td>12 BIT + SIGN</td>
</tr>
<tr>
<td>Linearity</td>
<td>Within ± 1% FULL SPAN</td>
</tr>
<tr>
<td>Hysteresis</td>
<td>Within ± 0.5% FULL SPAN</td>
</tr>
<tr>
<td>Repeatability</td>
<td>Within ± 0.5% FULL SPAN</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>Within ± 0.2% FULL SPAN</td>
</tr>
<tr>
<td>Enclosure</td>
<td>IP 65</td>
</tr>
</tbody>
</table>

Porting

Supply: 1/2
Out: 1/4 or 3/8 (per order)
Thread Type: Rc, NPT or NPTF (per order)

Dimensions

L Length (mm)
52 (N-1) + 88

H Height (mm) 173.2

W Width (mm) 70

Mounting Screws

4X M5x0.8 SHCS
Pitch (mm) 36 x (52N + 16)

SMC Pneumatics (Canada) Ltd.
www.smcpneumatics.ca

UR-RRD-5M