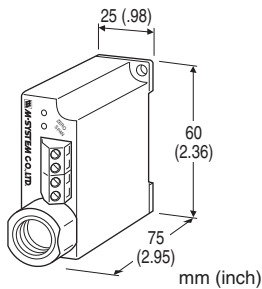


**Super-mini Two-wire Signal Conditioners T-UNIT**

**P/I TRANSDUCER**

**Functions & Features**

- Converting a standard pneumatic signal into a proportional 4 - 20 mA DC output
- Monitor terminals
- High-density mounting



**MODEL: TPV[1]**

**ORDERING INFORMATION**

- Code number: TPV[1]

Specify a code from below for [1]

(e.g. TPV/A2S/P7)

**[1] OPTIONS (multiple selections)**

**Input**

blank: 0.2 - 1.0 kgf/cm<sup>2</sup>

/A1S: 19.6 - 98.1 kPa

/A2S: 20 - 100 kPa

/A3S: 20.7 - 103.4 kPa

/A2: 0.2 - 1.0 bar

/A3: 3 - 15 psig

**Pneumatic Connection**

blank: Rc 1/4"

/P7: 1/4" NPT fitting

**GENERAL SPECIFICATIONS**

**Construction:** Stand-alone; terminal access at the front

**Connection**

**Output:** Euro type terminal connector

**Pneumatic:** Rc 1/4" or 1/4" NPT female  
(torque ≤ 12 N·m)

**Grounding:** M4 screw terminal (torque: 1.2 N·m)

**Screw terminal**

- **Grounding:** Nickel-plated brass

**Housing material:** Diecast aluminium

**Zero adjustment:** -5 to +5 % (front)

**Span adjustment:** 95 to 105 % (front)

**INPUT SPECIFICATIONS**

■ **Input**

19.6 - 98.1 kPa, 0.2 - 1.0 kgf/cm<sup>2</sup>

20 - 100 kPa, 0.2 - 1.0 bar

20.7 - 103.4 kPa, 3 - 15 psig

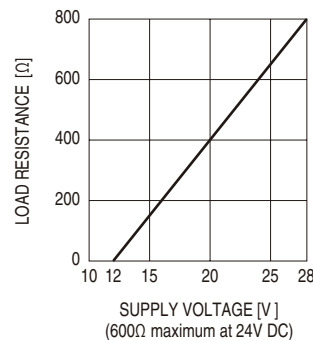
**OUTPUT SPECIFICATIONS**

**Output:** 4 - 20 mA DC

**Load resistance vs. supply voltage:**

Load Resistance (Ω) = (Supply Voltage (V) - 12 (V)) ÷ (0.02 (A))

(including leadwire resistance)



**INSTALLATION**

**Supply voltage:** 12 - 28 V DC

**Operating temperature:** -5 to +60°C (23 to 140°F)

**Operating humidity:** 30 to 90 %RH (non-condensing)

**Mounting:** Surface

**Weight:** 150 g (0.33 lbs)

**PERFORMANCE in percentage of span**

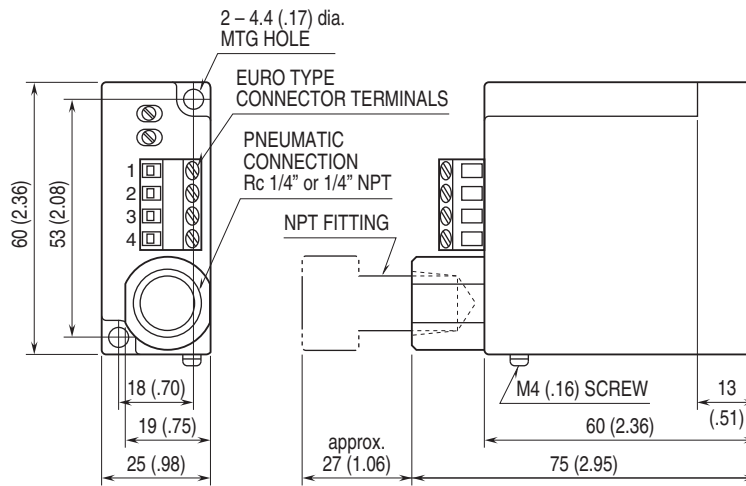
**Accuracy:** ±0.3 %

**Temp. coefficient:** ±0.03 %/°C (±0.02 %/°F)

**Response time:** ≤ 0.5 sec. (0 - 90 %)

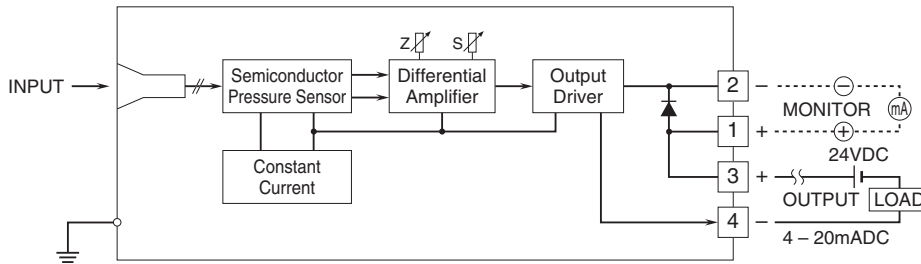
**Permissible overrange:** 196 kPa (2.0 kgf/cm<sup>2</sup>, 1.96 bar, 28 psig)

**EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm (inch)**



•When mounting, no extra space is needed between units.

**SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM**



Specifications are subject to change without notice.