

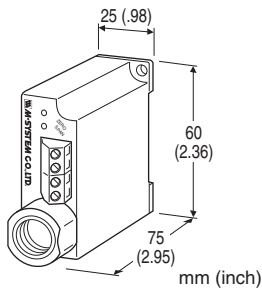
## Super-mini Two-wire Signal Conditioners T-UNIT

Zero adjustment: -5 to +5 % (front)  
Span adjustment: 95 to 105 % (front)

### 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  
(applicable wire size: 0.25 to 1.5 mm<sup>2</sup>, stripped length 7 mm)

**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 aluminum

#### INPUT SPECIFICATIONS

##### Input

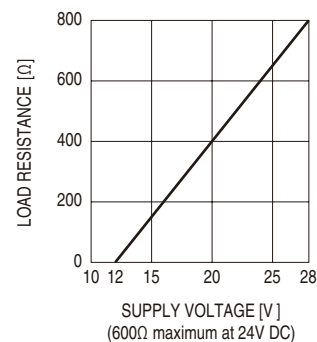
- 19.6 - 98.1 kPa, 0.2 - 1.0 kgf/cm<sup>2</sup>
- 20 - 100 kPa, 0.2 - 1.0 bar
- 20.7 - 103.4 kPa, 3 - 15 psig

#### 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 lb)

#### PERFORMANCE in percentage of span

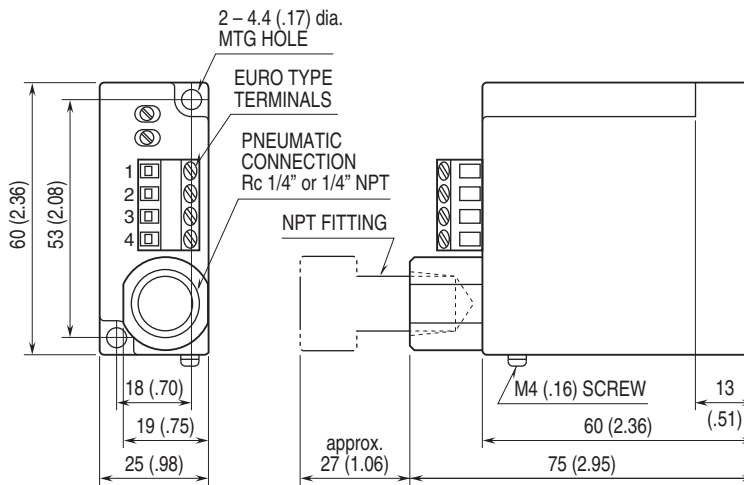
**Accuracy:** ±0.3 %

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

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

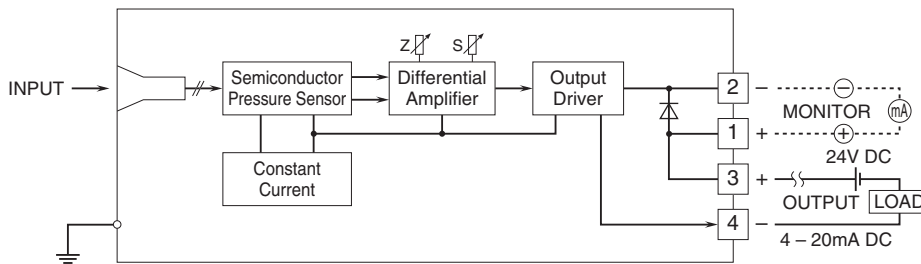
**Permissible overrange:** 196 kPa (2.0 kgf/cm<sup>2</sup>, 1.96 bar, 28 psig)

**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.