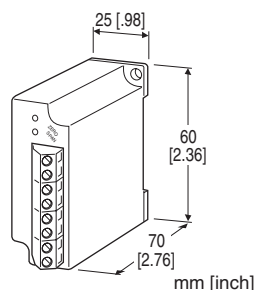


Super-mini Two-wire Signal Conditioners T-UNIT**POTENTIOMETER TRANSMITTER****Functions & Features**

- Providing a 4 – 20 mA DC signal proportional to a potentiometer or slidewire position input
- Constant voltage excitation allows use with pots with total resistances from 100 Ω – 2 kΩ without affecting accuracy
- Minimal interaction between zero and span adjustments
- Monitor terminals
- High-density mounting

Typical Applications

- Tank levels
- Positions

**MODEL:TM****ORDERING INFORMATION**

- Code number: TM

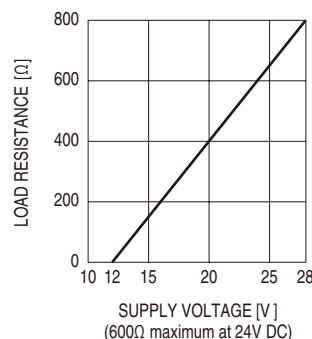
GENERAL SPECIFICATIONS**Construction:** Stand-alone; terminal access at the front**Connection:** Euro type terminal(applicable wire size: 0.25 to 1.5 mm², stripped length 7 mm)**Housing material:** Flame-resistant resin (black)**Zero adjustment:** 0 – 10 % (front)**Span adjustment (front):**

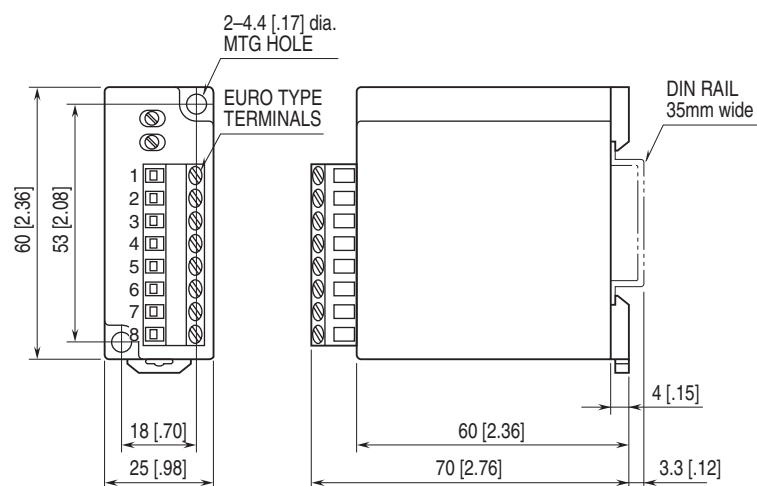
50 – 100 % (of total resistance): 135 Ω or above

70 – 100 % (of total resistance): Below 135 Ω

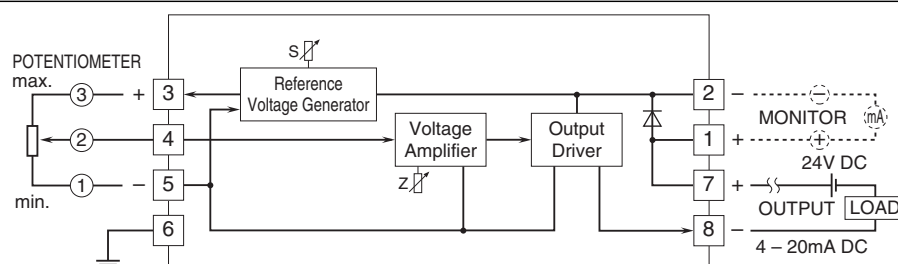
INPUT SPECIFICATIONS**Potentiometer:** 100 Ω – 2 kΩ**Minimum span:** 50 % of total resistance ($\geq 135 \Omega$); $\geq 70 \%$ of total resistance ($< 135 \Omega$)**Excitation:** Approx. 0.2 V DC**OUTPUT SPECIFICATIONS****Output:** 4 – 20 mA DC**Load resistance vs. supply voltage:**

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 or DIN rail**Weight:** 120 g (0.26 lb)**PERFORMANCE in percentage of span****Accuracy:** $\pm 0.2 \%$ **Temp. coefficient:** $\pm 0.015 \%/^{\circ}\text{C}$ ($\pm 0.008 \%/^{\circ}\text{F}$)**Response time:** $\leq 0.5 \text{ sec.}$ (0 – 90 %)

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.