

Head-mounted Two-wire Signal Conditioners 26-UNIT

RTD TRANSMITTER

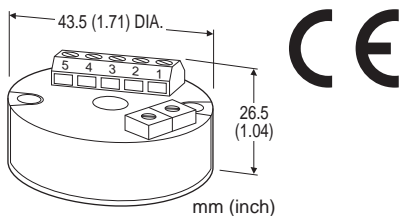
(non-isolated)

Functions & Features

- Accepts direct input from an RTD and provides a standard 4 - 20 mA DC signal
- Linearization and burnout
- Wide operating temperature range suitable for harsh environments
- CE marking

Typical Applications

- Mounting in a sensor connection head minimizes noise effect and signal degradation



MODEL: 26R1-[1][2][3]

ORDERING INFORMATION

- Code number: 26R1-[1][2][3]
- Specify a code from below for each [1] through [3].
(e.g. 26R1-41)
- Temperature range (e.g. 0 - 100°C)

[1] INPUT RTD (2- or 3-wire)

- 1: JPt 100 (JIS'89)
- 3: Pt 100 (JIS'89)
- 4: Pt 100 (JIS'97, IEC)
- 0: User's configuration (temp. range and burnout)
(Code 0 is available only for specific users with certain calibration capabilities. Consult factory. When this code is specified, burnout options are to be configured by the user.)

[2] TEMPERATURE UNIT

- 1: °C
- 2: °F

[3] OPTIONS

BURNOUT

- blank: Upscale burnout
- /BL: Downscale burnout

GENERAL SPECIFICATIONS

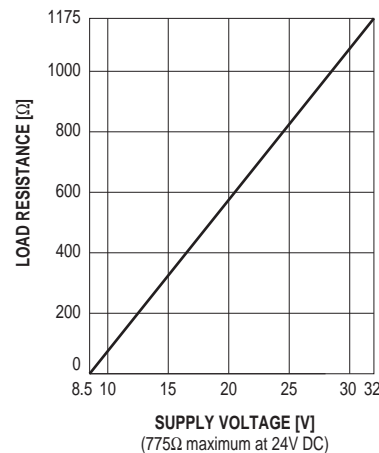
- Construction:** Sensor head-mounting
- Connection:** Euro terminal
- Applicable wire size:** 0.2 - 1.5 mm²
- Housing material:** Flame-resistant resin (black)
- Zero adjustment:** -1 to +5 % (front)
- Span adjustment:** 95 to 105 % (front)
- Linearization:** Standard

INPUT SPECIFICATIONS

- INPUT:** 2- or 3-wire RTDs
- Maximum leadwire resistance:** 20 Ω per wire (3-wire)
- Sensing current:** 1 mA
- Temperature range**
- °C: 0 - 50, 0 - 100, 0 - 150, 0 - 200, 0 - 300, 0 - 400, 0 - 500, 0 - 650
- °F: 0 - 100, 0 - 200, 0 - 300, 0 - 400, 0 - 600, 0 - 800, 0 - 1000, 0 - 1200

OUTPUT SPECIFICATIONS

- **OUTPUT:** 4 - 20 mA DC
- Load resistance vs. supply voltage:**
- Load Resistance (Ω) = (Supply Voltage (V) - 8.5 (V)) / (0.02 (A))
- (including leadwire resistance)



INSTALLATION

- Supply voltage:** 8.5 - 32 V DC
- Operating temperature:** -40 to +85°C (-40 to +185°F)
- Operating humidity:** 0 to 90 %RH (non-condensing)
- Mounting:** Head-mounting (DIN type B head)
- Weight:** 30 g (1.1 oz)

PERFORMANCE in percentage of span

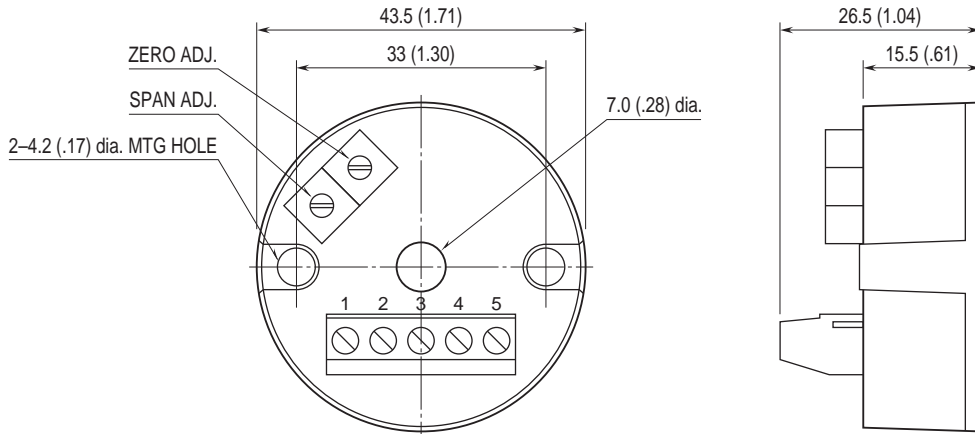
- Accuracy:** ±0.1 % or ±0.1°C (±0.2°F), whichever is greater.
- Temp. coefficient:** ±0.02 %/°C (±0.01 %/°F)

Response time: ≤ 0.5 sec. (0 - 90 %)

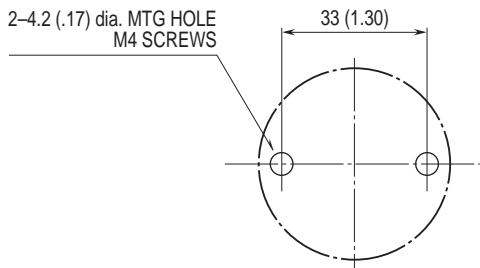
STANDARDS & APPROVALS

CE conformity:
 EMC Directive (2004/108/EC)
 EN 61000-6-4 (EMI)
 EN 61000-6-2 (EMS)

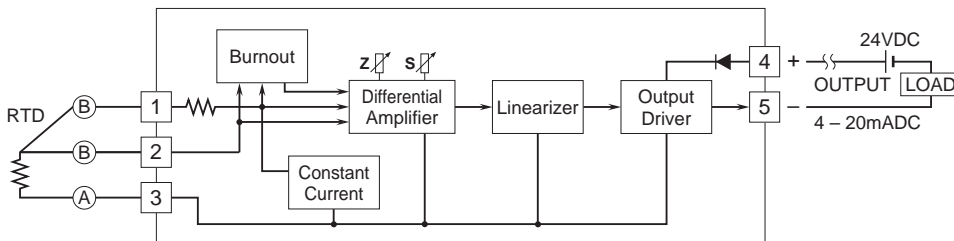
EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm (inch)



MOUNTING REQUIREMENTS unit: mm (inch)



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM





Specifications are subject to change without notice.