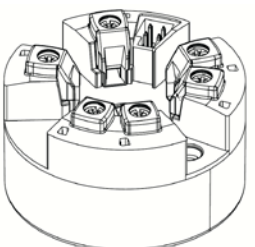
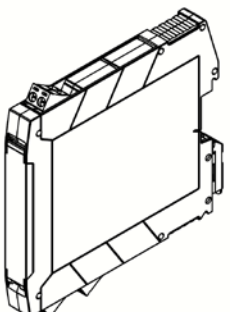
XTH2 & XTD2 Temperature Transmitters - Fixed Range



XTH2 Series



XTD2 Series

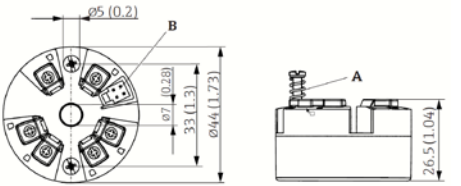
Installation

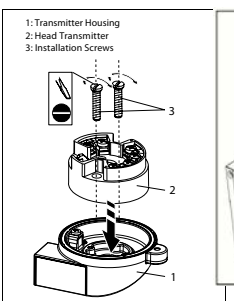
- XTH2 Transmitter comes with installation screw kit
- Ambient Temperature: -40 to 185°F (-40 to 85°C)
- Installation area:
  Field housing; connection head Form B according to DIN 43729
- Installation angle: No limit

Note: Max. mounting screw torque:
3/4 lb·ft (1 N·m)

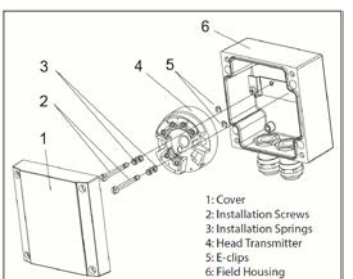
Dimensions

mm [inches]





Typical installation



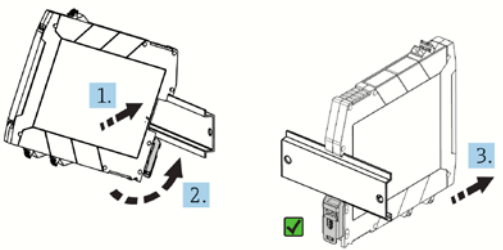
Optional remote installation of head transmitter into field housing

Head transmitter type with screw terminals.

A - Spring travel L ≥ 5 mm
B - Mounting elements for attachable measured value display
Screw terminals – 24.1 mm (0.95 in)

Installation

Installation of DIN Rail transmitter

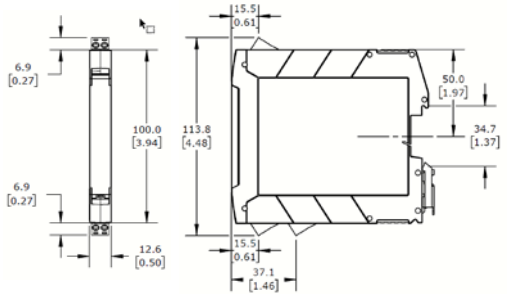


Mount the device vertically and ensure it is correctly oriented.

1. Slide the device top DIN rail groove onto the top of the DIN rail.
2. Rotate the device into the bottom of the DIN rail, until you can hear the DIN rail clip click into place on the DIN rail edge.
3. Pull gently on the device to check secure mounting on the DIN rail.

Dimensions

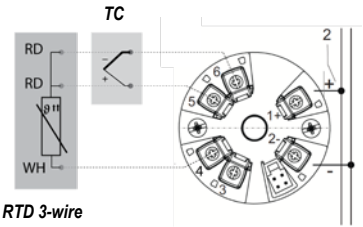
mm [inches]



DIN Rail transmitter with screw terminals.

- Operating Ambient Temperature Range: -40 to 185°F (-40 to 85°C)
- Installation angle: No limit

Wiring Head Type

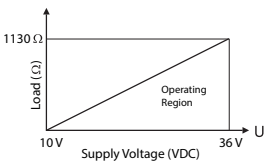


Wiring Diagram, XTH2 Head Style Transmitter

Safety instructions:

- To comply with UL61010-1 unit must be supplied by class 2 power supply.
- Disconnect power before making connections.

Load Impedance



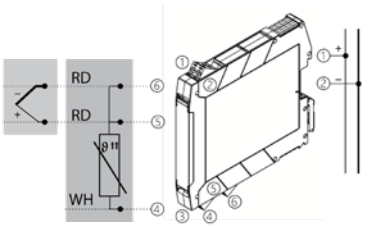
RLmax = ($V_{powersupply}$-10V) / 0.023A (current output) e.g. (24V - 10V) / 0.023A = 608.7 Ω

Shielding

Please take note: When installing the head style transmitter remotely from the sensor in a field housing, the shield on the 4-20 mA signal output must have the same potential as the shield at the sensor connections. When using grounded thermocouples, shielding of the output 4-20 mA cable is recommended. In facilities with strong electromagnetic fields, shielding of all cables with a low Ohm connection to the transmitter housing is recommended.

Due to the danger of lightning strikes it is recommended that shielded cable be used in outdoor installations.

Wiring DIN Type



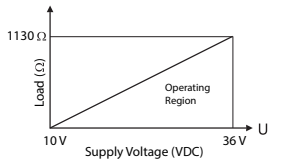
RTD 3-wire

Wiring Diagram, XTD2 DIN Rail Style Transmitter

Safety instructions:

- To comply with UL61010-1 unit must be supplied by class 2 power supply.
- Disconnect power before making connections.

Load Impedance



RLmax = ($V_{powersupply}$-10V) / 0.023A (current output) e.g. (24V - 10V) / 0.023A = 608.7 Ω

Shielding

The shield on the 4-20 mA signal output cable must have the same potential as the shield at the sensor connections. When using grounded thermocouples, shielding of the output 4-20 mA cable is recommended. In facilities with strong electromagnetic fields, shielding of all cables with a low Ohm connection to the transmitter housing is recommended.

Due to the danger of lightning strikes it is recommended that shielded cable be used in outdoor installations.

Please visit www.automationdirect.com for specifications and additional information.

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