

Combination Temperature/Humidity Transducers with Display

Independent monitoring of critical space is often desired to document ISO9000 and other quality related standards. The environmental transducers from RLE conform to standards created by the National Institute of Standards and Technology (NIST). These transducers are solid state devices specifically designed for connection to any analog controller.

Transducers operate on a three wire 4-20 mA loop powered circuit (8-35VDC). Each model is available with or without a digital display. All units can be mounted to a standard 2 by 4 inch electrical box.

Models With Display

THI40D-2 -20°F to 120°F, 0-100%RH, 2%

THI40D-3 -20°F to 120°F, 0-100%RH, 3%

Models Without Display

THI40-2 -20°F to 120°F, 0-100%RH, 2%

THI40-3 -20°F to 120°F, 0-100%RH, 3%



Features

- Display Alternatives
- Humidity is Temperature Compensated
- Simple Installation and Operation
- No Maintenance
- 4-20mA Output
- Electronic Design

Transducer Technical Data

Range

THI40D-2 -20°F to 120°F (-29°C to 49°C) ± 2%,
0% to 100% RH non-condensing

THI40D-3 -20°F to 120°F (-29°C to 49°C) ± 3%,
0% to 100% RH non-condensing

Altitude -350 ft. to 15,000 ft.

Storage Temperature -40°F to 150°F (-40°C to 66°C)

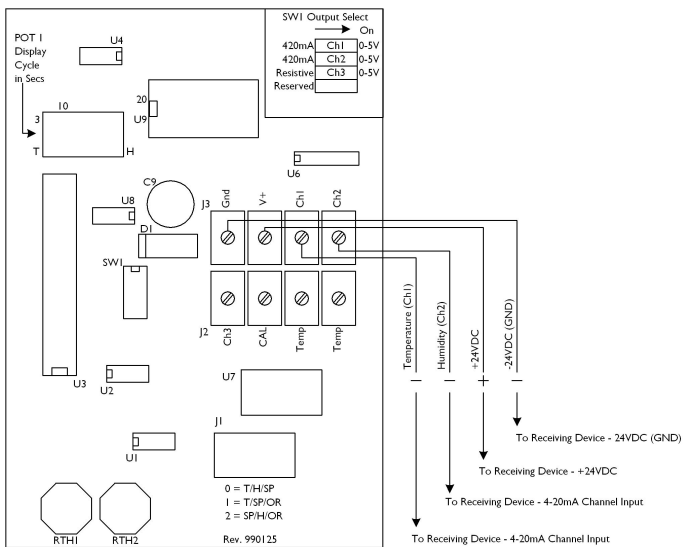
Dimensions 2.75"W x 4.5"H x 1.0"D
70mmW x 114mmH x 25mmD

Weight 0.5 lbs (0.225kg)

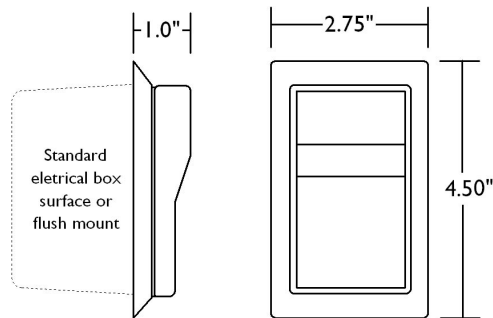
Electrical Input 4-20mA - 3 wire loop powered (8 to 35VDC)

Mounting Vertical

Interconnect Information



Mechanical Drawing



RLE Technologies

208 Commerce Drive
Fort Collins, CO 80524
970.484.6510 TEL
800.518.1519
970.484.6650 FAX
www.rletech.com

Warranty

All RLE products are covered by factory parts and labor warranty for one year after date of shipment. To ensure warranty coverage, the installation instructions for the equipment must be followed properly.

Disclaimer

Although every precaution has been taken to ensure the accuracy and completeness of this material, RLE Technologies assumes no responsibility, and disclaims all liability for damages resulting from use of this information or any error or omission in this document. Specifications are subject to change without notice.