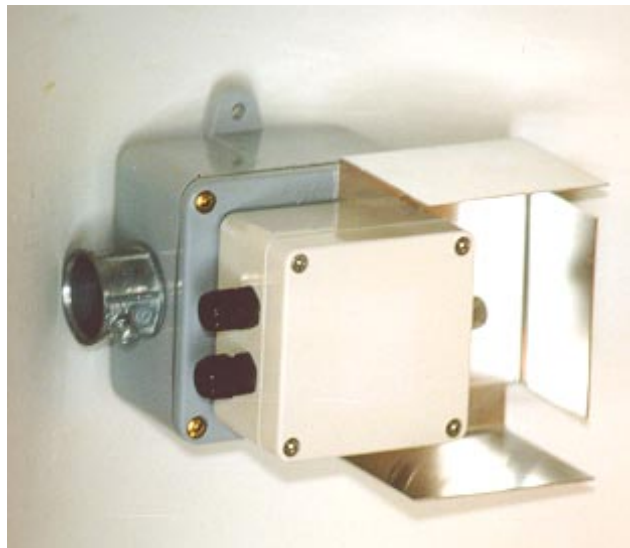


Model A70-HTL/O

Temperature & Relative Humidity Transmitters For Outdoor Use

Document 1802B



Pictured with A76-HT Radiation Shield

Description

The A70-HT series provides a temperature and relative humidity output on a standard 4-20 mA current loop or 0 - 1 VDC. The A70-LPDD loop indicator can be used to display the actual sensed temperature and/or relative humidity with the 4-20 mA output.

Design Features.

The A70-HTL series senses temperature using a standard permalloy RTD, conforming to IEC 751 standards. Relative humidity is sensed by a thin-film polymer capacitor sensor characterized by excellent durability in harsh environments. The sensing element is protected by a hydrophobic membrane which greatly increases its durability.

The A70-HTL is packaged in a NEMA 4X weather proof enclosure.

The A76-HTB Radiation Shield is recommend if the A70-HT is exposed to direct sunlight. The A76-HTB is designed to attach to the A76-X5 Cross Arm or Higher performance sensors and mechanically aspirated radiation shields are available.

Specifications

Range: Relative Humidity 3 to 95%

Air Temperature -4 to 167 °F

Accuracy: R.H. $\pm 2\%$ R.H.

Air Temperature $\pm 1^\circ\text{F}$

Output : A70-HTL - 4 /20 mA

A70-HTV - 0 / 1 VDC

Operating Power: 6 to 30 VDC

Enclosure: ABS Plastic, NEMA 4X

Connections: Terminal block to accept AWG # 14 - 22 wire. Liquid tight wire gland for 0.09 to 0.265 in. dia. cable

Dimensions: 2 in. L X 3 in. W X 1.5 in. D

Weight: 8 Oz.

Accessories: A96 Surge Arrestors, A70-EO Power Supply, A70-LPDD Digital Display, Data-Chart Electronic Chart Recorder, A76-T10 Tripod Tower, A76-HT Mount



Model A70-LPDD
Loop Powered Digital Display

ISO 9001 Registered

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