SUBMITTAL
Room Designer Humidity Transducer

Part Number:

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
RH110B	Room Designer Humidity Transducer

CODE	Accuracy
02	2%
03	3%
05	5%

CODE	Temperature Sensor
C	PT1000-1000 Ω Platinum, IEC 751, 385 Alpha, thin film

CODE	Range
2A1	0˚ - 35˚C (32˚ - 95˚F)
2A2	0˚ - 50˚C (32˚ - 122˚F)

RH110B	02	C	2A1

Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

EXAMPLE: Room designer humidity/temperature, 2% RH, 0-35˚C, 4-20mA

2.75"
69.85 mm

1.25 "
31.8 mm

4.5 "
114.3 mm

3.25 "
82.6 mm
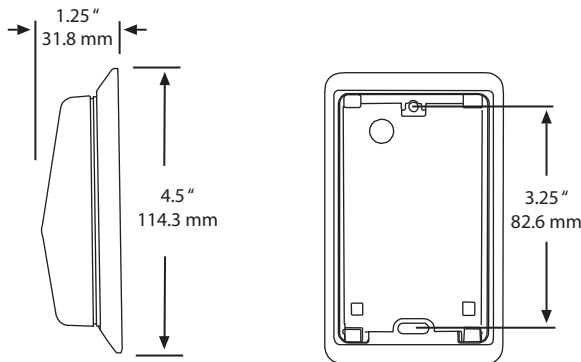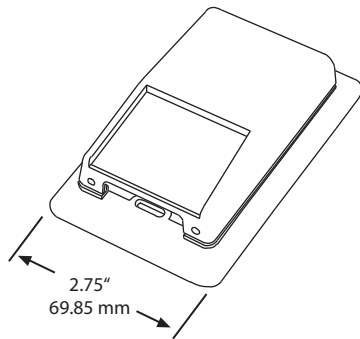
The RH110B series uses a highly accurate and reliable Thermoset Polymer based capacitance humidity sensor and Platinum RTD temperature sensor together with state-of-the-art digital linearization and temperature compensated cicuitry in an attractive, low profile enclosure to monitor room humidity & temperature levels.

RH Sensor Type	Thermoset Polymer based capacitive
RH Range	0 to 100% RH
RH Accuracy	±2, 3, or 5% (5 to 95%)
RH Response	15 Seconds typical
RH Stability	±1% RH typical @ 50% RH in 5 years
Temp. Sensor	PT1000-1000Ω Platinum, IEC 751, 385 Alpha, thin film
Temp. Accuracy	±0.1% of span, including linearity
Operating Temperature	0 to 50 ˚C (32 to 122 ˚F)
Power Supply	18 to 35 Vdc
Output Signal	4-20 mA current loop
Consumption	22 mA maximum
Wiring Connections	Screw Terminal Block (14 to 22 AWG)

Installation:

For complete installation and wiring details, please refer to the product installation instructions.

The RH110B series can be mounted directly to a single gang electrical box or directly to a wall. Insulating foam is adhered to the back of the enclosure to provide a thermal barrier from wall temperatures.

A terminal block connection is provided. for connection to the Building Automation System.
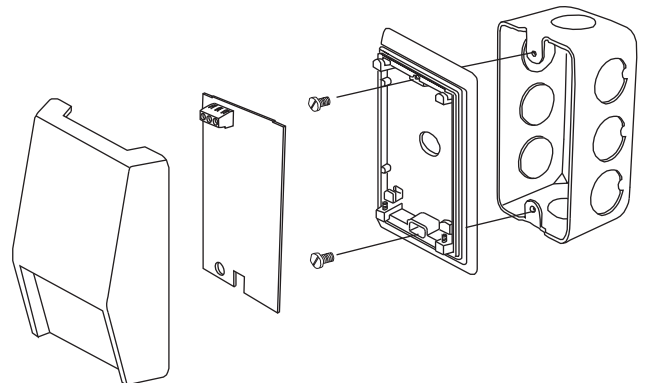
GREYSTONE
ACCURACY BY DESIGN

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RoHS COMPLIANT

MADE IN CANADA

CE