CONTROL PRODUCTS

Specifications/Installation HS-50-S, HS-70-O, HS-70-D Humidity Sensors

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General Information
The HS-50-S, HS-70-O and HS-70-D Humidity Sensors are relative humidity sensors that can be used with Control Products, Inc. humidity indicators, controllers and alarms, or as stand alone humidity sensors with voltage output.

Styles
HS-50-S- ivory plastic wall mount enclosure for humidity measurement of indoor space.
HS-70-O- PVC filtered box for humidity measurement outdoors.
HS-70-D-PVC filtered box with duct probe for humidity measurement in ducts.

Specifications:
Power requirements: 5 to 12 Vdc
Range: 10 to 100%RH
Operating ambient temperature range: 32° to 140°F (0° to 60°C)
Output: 0 to 1.00 Vdc, 500mV at 50% RH, nominal, varies 10mV/%RH
Accuracy: ±3% between 10% and 90%RH
Connection: 36" long three conductor 26 AWG, can be extended up to 1000'
Warning: Chemicals such as chlorine, ammonia, alcohol and strong salts may damage sensors. Control Products cannot be responsible for performance of the sensor under harsh conditions. All testing in specific applications must be done by customer.

Case dimensions for   HS-50-S: 2.25" wide x 3.25" high x 1.80" deep
                        HS-70-O: 4.62" wide x 2.75" high
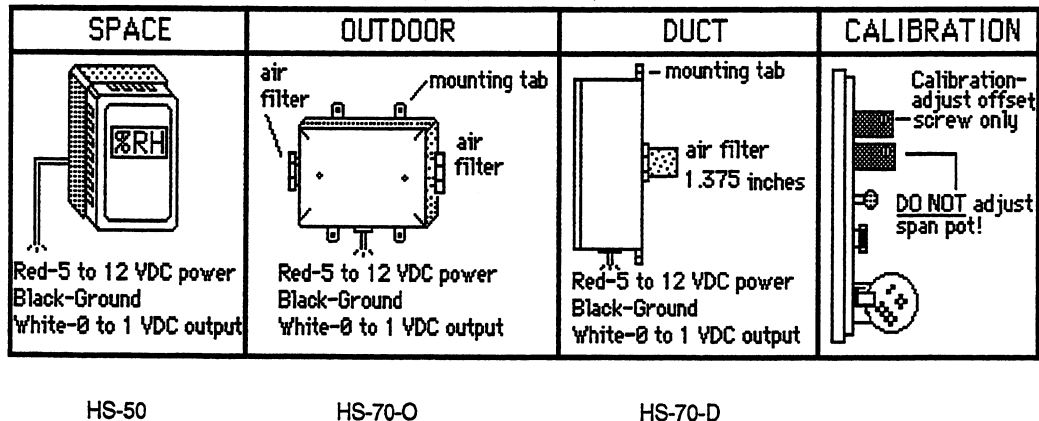   HS-70-D: 4.62" wide x 2.75" high with 1.375 inch long probe

Modifications-Modifications are available upon request.

Installation-Three wire sensor to four wire Control Products' indicators, controllers and alarms.
Four wire devices: Green=Ground, Red=+5, White=Sensor, Black-not used.
Three wire sensors: Black=Ground, Red=+5, White=Sensor
Caution: When installing be sure to match outputs(not wire color).

SPACE	OUTDOOR	DUCT	CALIBRATION
Red-5 to 12 VDC power Black-Ground White-0 to 1 VDC output	air filter, mounting tab, air filter — Red-5 to 12 VDC power Black-Ground White-0 to 1 VDC output	— mounting tab, air filter 1.375 inches — Red-5 to 12 VDC power Black-Ground White-0 to 1 VDC output	Calibration- adjust offset screw only — DO NOT adjust span pot!

    HS-50   HS-70-O   HS-70-D

Warranty-Control Products, Inc. warrants its products to be free from defects in material or workmanship under normal use for one year and is not responsible for consequential damages or installation costs of any nature.   6-21-93