



# Duct Mounted Room Temperature & Relative Humidity Sensor ADS2

*For AVR Series AccuValve*



## **Laboratories, Life Sciences, Healthcare**

- Duct Mounted Room Temperature & RH Sensor
- 304SS Probe with Temperature & RH Sensor
- Used with Accutrol AVR Series AccuValve
- Used for Sensing Room Temperature & RH in Exhaust or Return Duct

The ADS2 is a duct-mounted air temperature and relative humidity (RH) sensor that is designed to be used exclusively with the AVR AccuValve® airflow and temperature control system. The ADS2 provides precise measurement of the air temperature and RH flowing through the return/exhaust duct of the room being controlled by the AVR AccuValve. The ADS2 connects directly to the AVR AccuValve's device port using a factory cable providing a simple connection for power and signal.

## Specifications

### ELECTRICAL

**Port** RJ-45  
Provides power and signal connections with the AVR AccuValve using factory-supplied cable only.

### MOUNTING

Duct-mount flanged housing (mounting screws provided)

### PHYSICAL CONSTRUCTION

**Flame Rating** UL94-5VA

### TEMPERATURE MEASUREMENT

**Range** 32° to 132° F (0° to 56° C)  
**Resolution** 0.02° F (0.01° C)  
**Accuracy** ±0.25° F (±0.14° C)

### RELATIVE HUMIDITY MEASUREMENT

**Range** 0 to 100% RH  
**Resolution** 0.02° RH  
**Accuracy** ±2% typical, ±2.5% maximum

### ENVIRONMENTAL

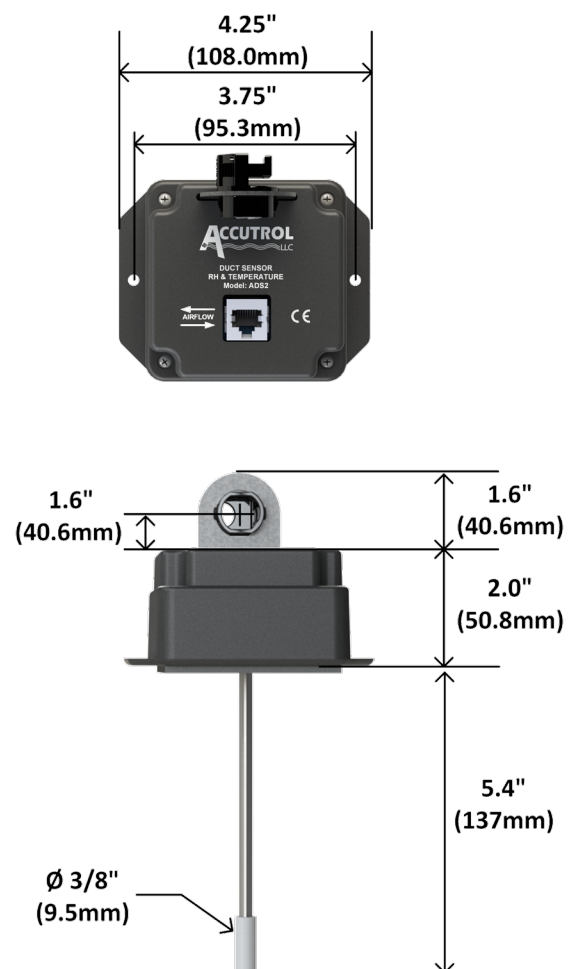
**Operating Temperature** 32° to 132° F (0° to 56° C)  
**Storage Temperature** -20° to 165° F (-29° to 74° C)  
**Humidity** 0 % to 90% non-condensing

## Installation

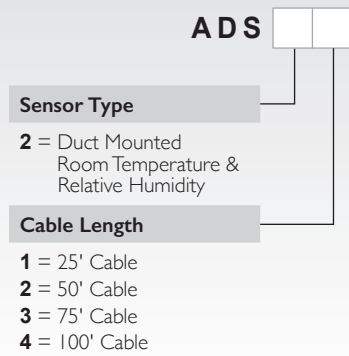
Drill a 3/8" hole in the duct and insert the probe through the hole until the foam pad is tight to the duct. Secure to duct using the (2) screws provided through the mounting holes in flange. Use only RJ-45 cable provided by Accutrol to connect to AVR.

## Wiring

Insert one end of the factory cable through the strain relief fitting located on the transmitter enclosure and plug it into the RJ45 connector. Connect the other end of the cable to the AVR AccuValve controller's Device Port.



## ADS2 Duct Mounted Room Temperature & Relative Humidity Sensor Ordering Guide



Your representative is: