



# Room Sensor ARS2



## Laboratories, Life Sciences, Healthcare

- Wall Mounted Room Temperature Sensor
- Uses a precision 100K ohm NTC Thermistor
- Additional Humidity Sensor
- Used with Accutrol AVR Series AccuValve

## ARS2 Provides

- Optional Digital Display
- Optional Setpoint Slider
- Optional Motion Sensor
- Power and signal connections provided by factory cable to AVR AccuValve

The Accutrol ARS2 is a wall-mounted air temperature and humidity sensor that is designed to be used exclusively with the AVR AccuValve® airflow and temperature control system. The ARS2 provides room temperature and humidity measurement as feedback to the AVR controller. The ARS2 connects directly to the AVR AccuValve's device port using a factory cable providing a simple connection for power and signal.

## Optional Features

The Accutrol ARS2 can be configured with the following optional features:

- Color graphics liquid crystal display with LED backlight
- Adjustable room temperature setpoint slider
- Horizontal wide field of view passive infrared motion sensor



## Specifications

### SENSOR

**Type** Precision 100K ohm NTC thermistor

### ELECTRICAL

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

### MOUNTING

Wall-mount over single gang electrical box (mounting screws provided)

### MATERIALS

**Bezel and Mounting Plate** ABS Plastic, UL94V-0, RoHS compliant

### 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** -40° F to +165° F (-40° C to 74° C)

### OPTIONAL FEATURES

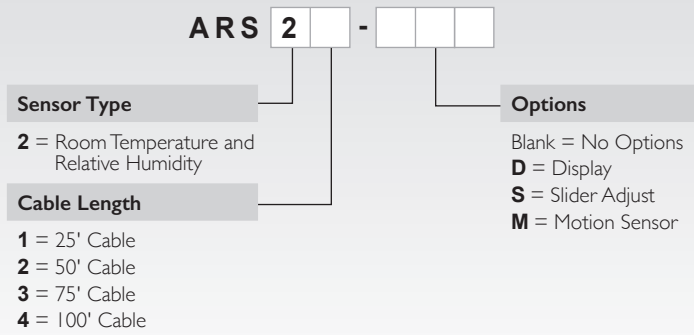
**Display** 2.27" (57.7mm) color graphics liquid crystal with LED backlight  
Max displayed temperature is 99.5 degrees  
Minimum display resolution is 0.5 degrees  
**Slider** Adjustable room temperature setpoint  
**Motion Sensor** Horizontal wide field of view PIR (passive infrared)  
Detection distance up to 16.4 ft (5m)

### CONFIGURATION PORT (REQUIRES FREE INSIGHT SOFTWARE)

USB Type C protected by removable rubber plug

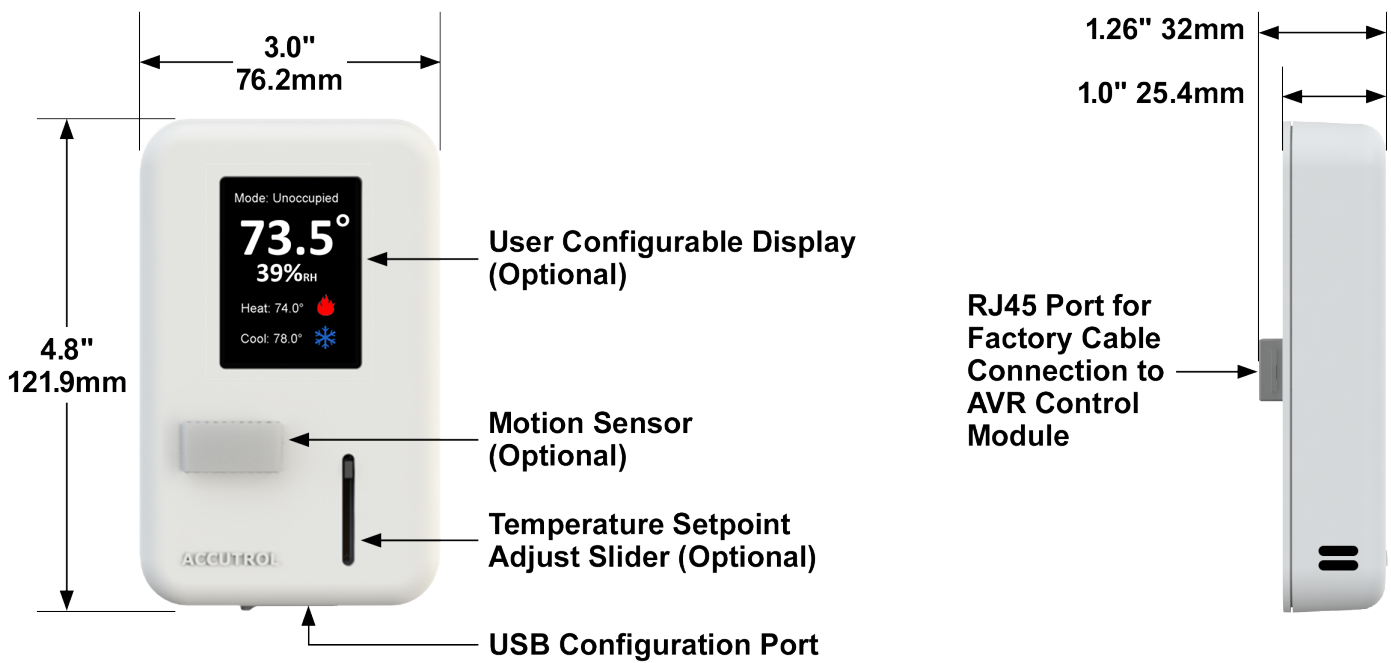
All configuration settings for the AVR are programmed through the AccuValve Insight software.

## ARS2 Room Sensor Ordering Guide



## Installation

Designed to be mounted to a single gang box. See submittal for details.



Your representative is: