



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



ARS2X

ARS2X-S

ARS2X-D

ARS2X-DS



ARS2X-SM

ARS2X-DM

ARS2X-DSM

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

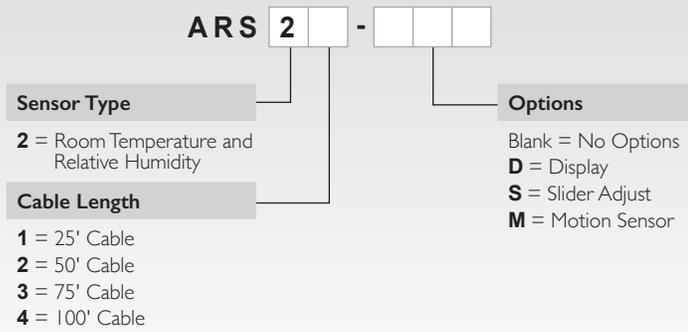
Display 2.27" (57.7mm) color graphics liquid crystal with LED backlight
Max displayed temperature is 99.5 degrees
Minimum display resolution is 0.5 degrees
Slider Adjustable room temperature setpoint
Motion Sensor Horizontal wide field of view PIR (passive infrared)
Detection distance up to 16.4 ft (5m)

CONFIGURATION PORT (REQUIRES FREE INSIGHT SOFTWARE)

USB Type C protected by removable rubber plug

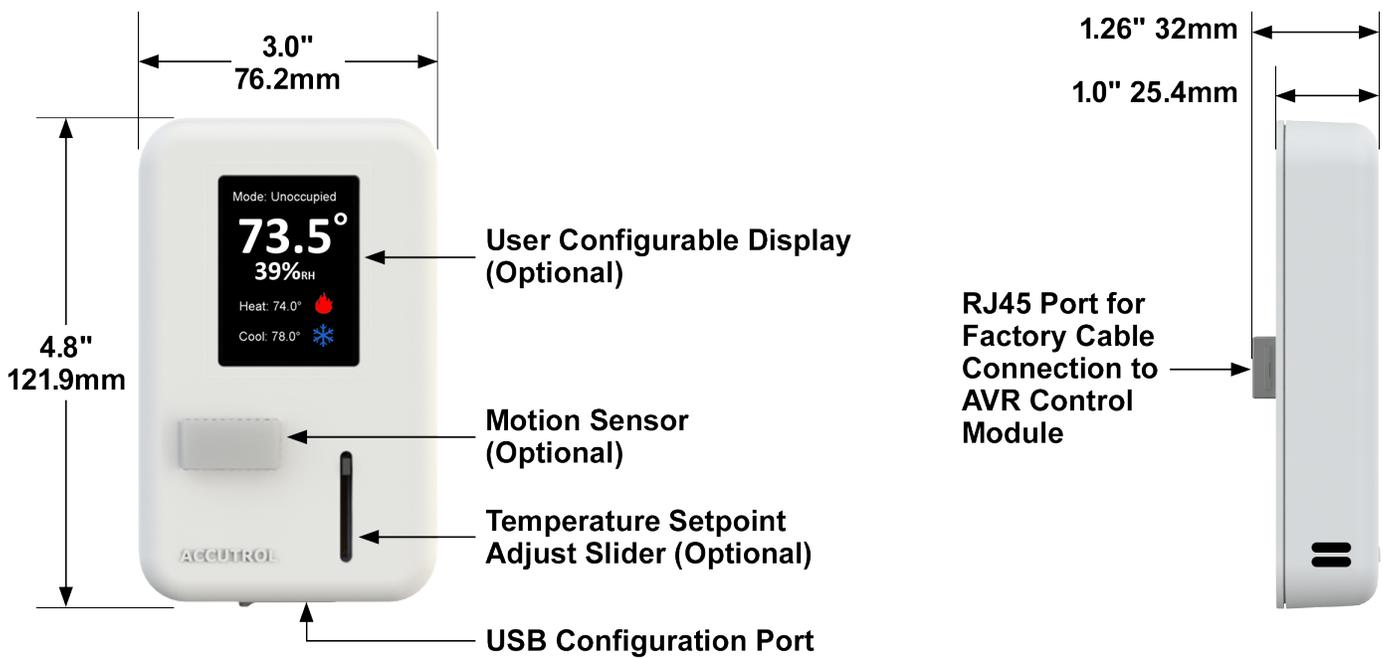
All configuration settings for the AVR are programmed through the AccuValve Insight software.

ARS2 Room Sensor Ordering Guide



Installation

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



Your representative is: