

ACCUTROL FLUSH-MOUNT ROOM SENSOR FOR WASHDOWN APPLICATIONS SUBMITTAL

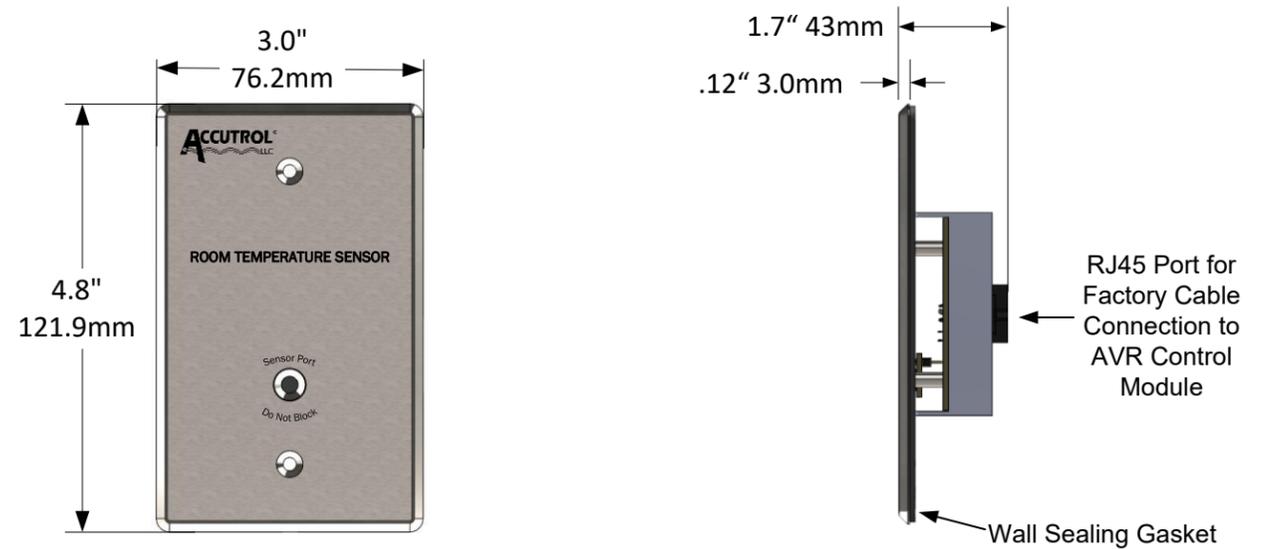
The ARS3 is a wall-mounted room temp/RH sensor that is designed to be used exclusively with the AVR AccuValve® airflow and temperature control system for applications that require flush-mount and/or washdown decontamination procedures. The ARS3 is provided with 2 mounting screws and a prefabricated factory-cable for connecting directly to the AVR Control Valve.

ARS3

Cable Length

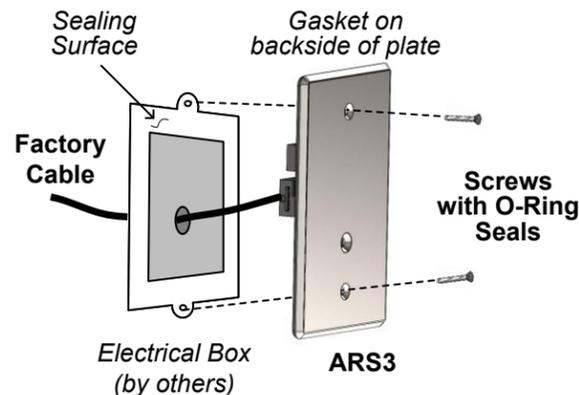
- 1 - 25' Cable
- 2 - 50' Cable
- 3 - 75' Cable
- 4 - 100' Cable

DIMENSIONS & FEATURES:



INSTALLATION

- 1. Select Location:** The ARS3 should be located on an interior wall within the room which it is controlling. Do not install the ARS3 in a location that receives; direct sunlight, drafts from supply diffusers, doors, windows, or near heat generating equipment.
- 2. Guide one end of the factory-cable** from the AVR control module through the back of the electrical box and plug the RJ45 connector into the socket located on the ARS3.



3. Verify the surface around the electrical box is smooth enough to provide a tight sealing surface with the gasket on the backside of the ARS3 to prevent ingress of moisture during washdown procedures.

4. Secure the ARS3 to the electrical box using the two screws with integral O-rings provided. (Do not over tighten screws)

5. Plug the other end of the cable into the AVR AccuValve control module's device port.

6. (Optional) It is recommended to caulk around the outer edge of the metal plate.

SPECIFICATIONS

Electrical:

Plenum-rated shielded factory cable connected to AVR provides all power and signal connections

Temperature Measurement:

Range: 32°F to +132°F (0°C to 56°C)
 Resolution: 0.02°F (0.01°C)
 Accuracy¹: ± 0.5°F (± 0.28°C) Typical

Relative Humidity Measurement: *(For Reference Only)*

Range: 0 to 100% RH
 Resolution: 0.02% RH
 Accuracy¹: ± 2% Typical

Environmental:

Operating: 32°F to +132°F (0°C to 56°C)
 Storage: -40°F to +165°F (-40°C to 74°C)

Material:

Plate: 304 Stainless Steel
 Hardware: 18-8 Stainless Steel Screw, with Buna-N O-Ring
 Gasket: EPDM Rubber
 Graphic Overlay: Polyester

¹ Using the AccuValve Insight Configuration Software, the Room Temperature and Relative Humidity measurements can be adjusted to correlate with the measurement of a local calibration standard.