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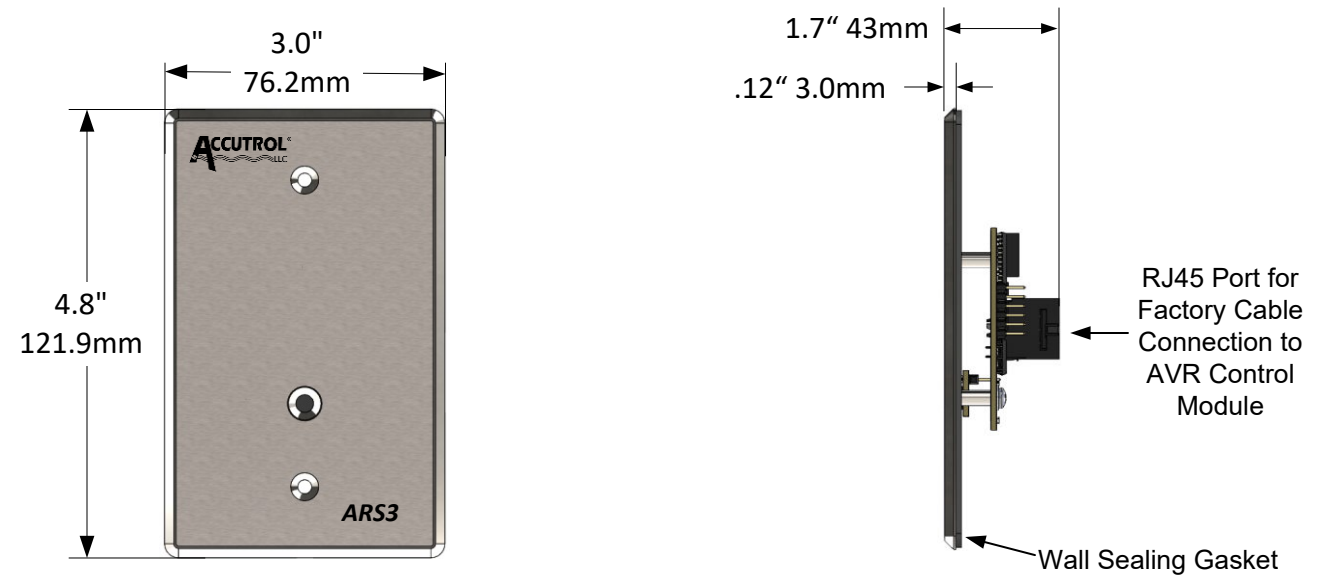
The ARS3 is a wall-mounted room temp/RH sensor that is designed to be used exclusively with the AVR AccuValve® airflow and temperature control system for applications that require flush-mount and/or washdown decontamination procedures. The ARS3 is provided with 2 mounting screws and a prefabricated factory-cable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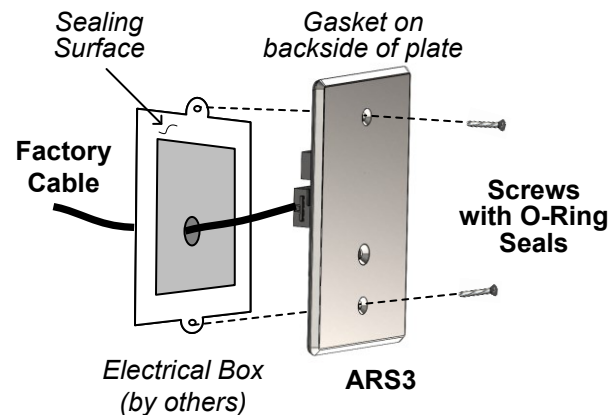
ARS3 ▢

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

DIMENSIONS & FEATURES:

3.0"
76.2mm

4.8"
121.9mm

ARS3

1.7" 43mm

.12" 3.0mm

RJ45 Port for Factory Cable Connection to AVR Control Module

Wall Sealing Gasket

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.

Sealing Surface

Gasket on backside of plate

Factory Cable

Screws with O-Ring Seals

Electrical Box (by others)

ARS3

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)
    Accuracy: ± 0.25°F (± 0.14°C)

Relative Humidity Measurement:
    Range: 0 to 100% RH
    Resolution: 0.02% RH
    Accuracy: ± 2% Typical, ± 2.5% Max

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

Accutrol Representative:

Note: It's is also recommended to caulk around the sensor plate edge

SUBMITTAL DRAWING
ARS3 ROOM SENSOR

DWG. NO:	ARS3 SUBMITTAL DWG		
REVISION:	B	ECN:	3026
REV. DATE:	10-24-24	SHEET: 1	OF: 1