

## Low Profile “Button” Sensor

### Overview and Identification

The Low Profile “Button” Wall Sensor is ideal for locations where aesthetics are as important as the temperature measurement. The inconspicuous sensor mounts easily by pushing through a 1/2” hole and secured with a peel off tape strip. The only visible portion is a flush 7/8” dot on the wall.

The Low Profile Wall Sensor is available in multiple thermistor or RTD sensors as shown in the specifications. Other sensor types are available on request.

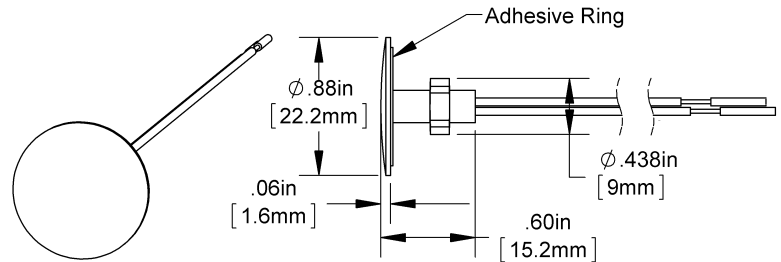


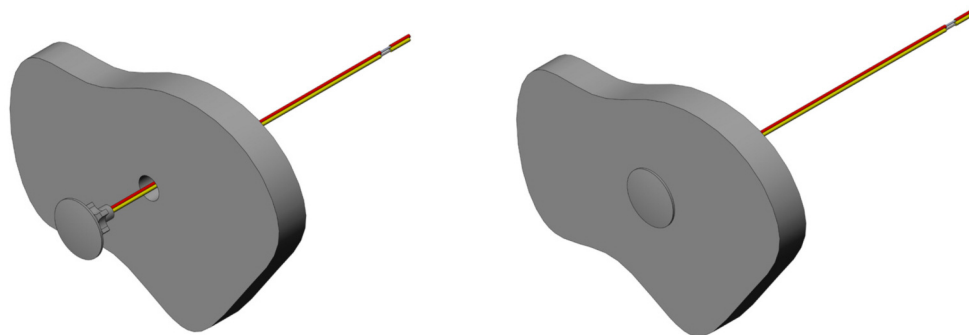
Fig 1: Low Profile “Button” Sensor Dimensions

### Operation/Application

This sensor is suspended in a round button size enclosure shell so that room air can surround the sensing element for a fast and accurate temperature reading. The sensor is isolated from the mass wall temperature with internal insulators. The unit can be painted. The unit should not be covered with any material such as wall paper.

### Mounting and Wire Termination

1. Select a location with a flat surface on an interior wall approximately 5' (1.5m) off the floor.
2. Drill a 1/2” hole where you want the sensor mounted.
3. Pull your zone wire through the hole and terminate the sensor using a flying lead connector (crimp or wire nut). A crimp-on sealant filled connector is recommended for protection from in wall moisture, (BA/SFC1000-100).
4. Test the sensor at the controller to be sure of your connections and sensor operation.  
Note: Once installed the sensor is difficult to remove and may damage the wall.
5. Be sure the wall interior is insulated behind the sensor. In-wall drafts can affect the temperature reading.
6. Clean the wall surface from any dust or filings to make a clean mounting surface.
7. Remove the peel off strip from the mounting tape on the back of the sensor rim and push the sensor firmly into the 1/2” hole until the double stick tape adheres firmly to the wall.



Specifications subject to change without notice.