



IC Sentinel Through Wall Kit

Installation Instructions

**** WARNING ****

Please thoroughly read the product warning below before installation to provide for a safe work environment:

Oberon, the makers of this product, cannot anticipate every possible potential hazard during the installation of our product. The warnings and instructions in this *instruction guide* are, therefore, not all inclusive. To avoid personal injury, be aware of your work environment, follow local codes, and wear personal protect equipment as needed.



Installation Instructions

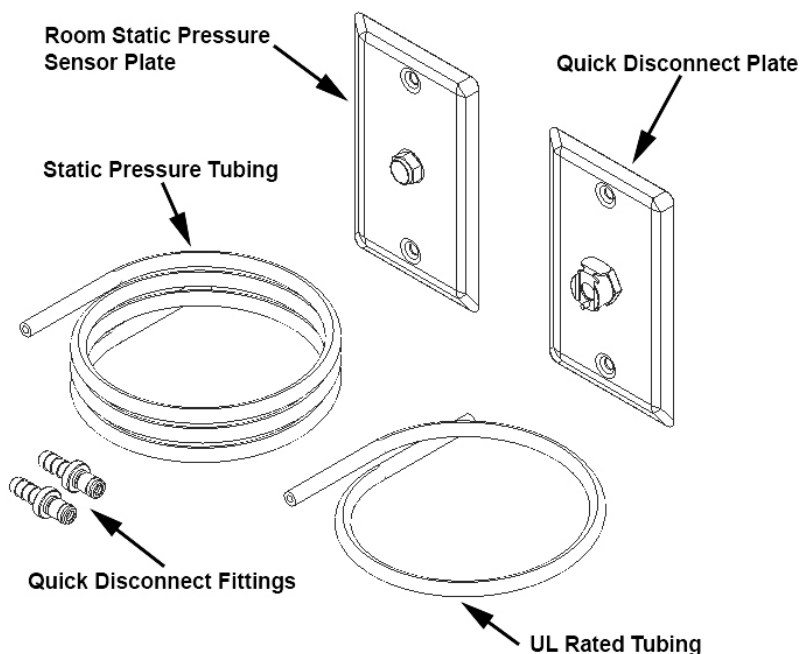
IC Sentinel Through Wall Kit

What's Included:

- Room Static Pressure Sensor Wall Plate (1 each)
- Quick Disconnect Plate (1 each)
- 12" UL Rated Flexible Tubing (1 each)
- 12' Static Pressure Tubing (1 each)
- Quick Disconnect Fittings (2 each)

Additional Hardware Required:

- Screws - Not included as wall plates can be mounted to many different types of wall surfaces (i.e. drywall, brick, cement board) each requiring different types of mounting hardware.
- Outlet Box - Local codes may require outlet boxes be installed behind wall plates. Check requirements in your area.



Additional Notes:

1. Before cutting or drilling into any wall surfaces, verify that no electrical, plumbing, ventilation, etc. is located where through wall kit is to be installed.
2. Check local codes to determine if outlet boxes are required to mount wall plates.

Mounting Instructions:

Step 1 - Find a suitable location to place the *Through Wall Kit*. The room location in the area where the *IC Sentinel* unit is placed should allow easy access to the *Quick Disconnect Plate* so that the *tubing* can be easily attached between the *IC Sentinel* unit and the *Quick Disconnect Plate*. In the adjacent room where the *pressure differential* is to be monitored, find a location where the *Room Static Pressure Sensor Plate* can be mounted so that it is not obstructed by equipment, furniture, carts, etc.

Step 2 - Once an acceptable location has been identified, cut an approximate 1" diameter hole through both wall layers (use proper equipment for the type wall surface you are cutting through, for example, a spade drill or drywall saw can be used to cut a hole in drywall). The *Quick Disconnect Plate* should be located in the room in which the *IC Sentinel* unit is placed. **NOTE: Follow safety warning and verify what is behind the wall before cutting** (Ref. Figure 1).

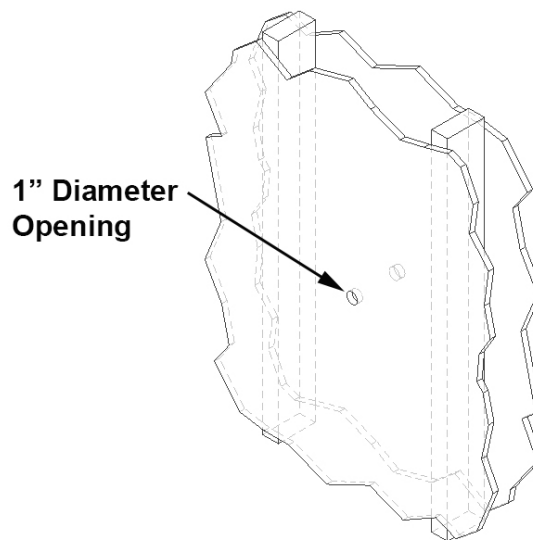


Figure 1 - Cut 1" opening through wall

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Step 3 - Once an opening is cut in wall, attach the *12" UL Rated Tubing* to the *Quick Disconnect Plate* by placing the tubing over the barbed end of the fitting and pressing firmly until the tubing is fully seated. (Ref. Figure 2).

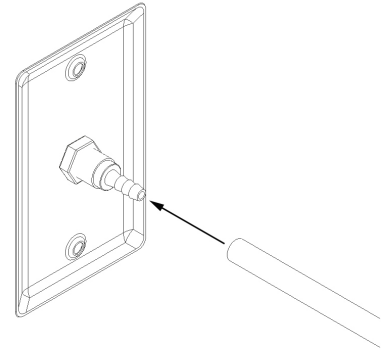
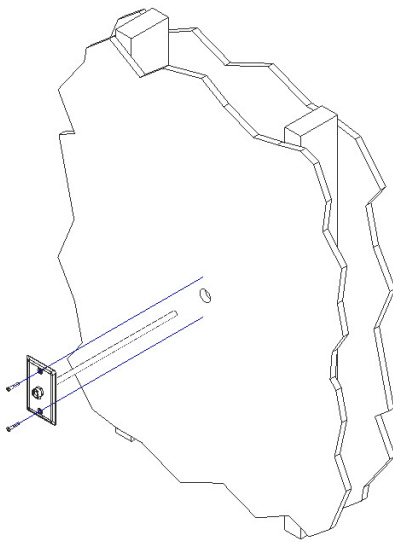


Figure 2 - Connect tubing to Quick Disconnect Wall Plate



Step 4 - Feed the tubing from the completed *Quick Disconnect Plate Assembly* through the opening in the wall so that the tubing protrudes completely through the wall on the opposite side. Once the tubing has been fed through the wall, fasten the Wall Plate to the wall using two screws (not supplied) appropriate for the wall type in which the plate is being fastened (Ref. Figure 3).

Figure 3 - Quick Disconnect Wall Plate installation

Step 5 - On the opposite wall, install the *Room Static Pressure Sensor Wall Plate* by placing the tubing over the barbed end of the fitting and pressing firmly until the tubing is fully seated. Note that excess tubing may be removed prior to installing the *Room Static Pressure Sensor Wall Plate*. Once the tubing is attached, feed any excess tubing into the wall and attach the wall plate using two screws (not included) appropriate for the wall type in which the plate is being fastened (Ref. Figure 4).

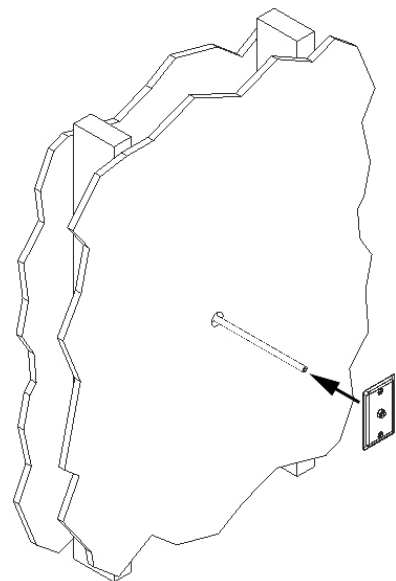


Figure 4 - Installation of Static Pressure Sensor Plate

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Step 6 - Determine the proper location to place the IC Sentinel unit then connect it to the through wall kit. The through wall kit comes with 12 feet of tubing. Measure the length of tubing required and cut to length. On both ends of the tubing insert a *Quick Disconnect Fitting* by placing the *Static Pressure Tubing* over the barbed end of the fitting and pressing firmly until the tubing is fully seated (Ref. Figure 5).

If longer tubing is required, it can be purchased through Oberon, or you may purchase it through any distributor who sells Tygon tubing (tubing size: 1/8" ID - 3/8" OD).

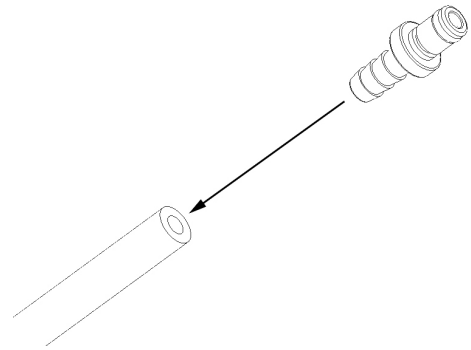
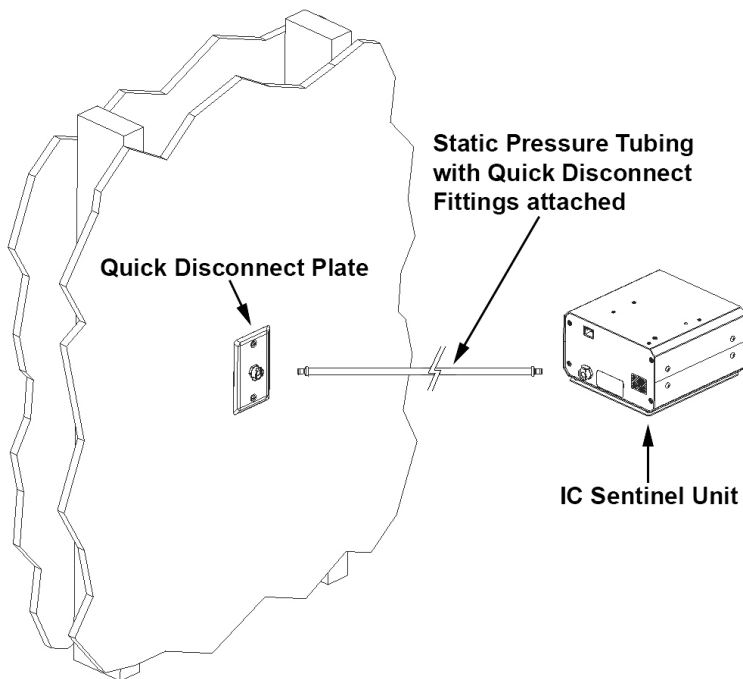


Figure 5 - Installation of Quick Disconnect Fittings to Static Pressure Tubing



Step 6 - Connect the *Static Pressure Tubing* between the IC Sentinel Unit and the *Quick Disconnect Plate* (Ref. Figure 6).

Figure 6 - Connect IC Sentinel Unit to Quick Disconnect Plate to measure pressure differential between rooms

Step 7 - To operate the quick disconnect mechanism, press the flat top lever on the *Quick Disconnect Plate* until the button on the bottom side of the fitting pops out (Ref. Figure 7). This will lock wall plate's receptacle in the open position and allow insertion of the *Quick Disconnect Fitting*. Once the *Quick Disconnect Fitting* has been fully inserted into the wall plate, press the button on the bottom side of the fitting to lock it in place.

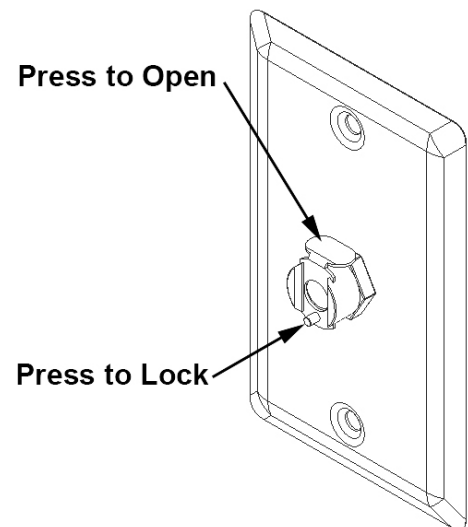


Figure 7 - Operation of Quick Disconnect Plate fitting

For additional information reference "IC SENTINEL APP NOTES"