

Quick Start Guide



Iso-Tek® Room Pressure Monitor

Model: ISOxxxx-xx

This Quick Start Guide provides a brief description of the steps required to install, wire, and configure the Iso-Tek Room Pressure Monitor System. For details, refer to the individual product Submittal Drawings, User Manuals, and Job-Specific Requirements.

APPLICATION

Iso-Tek Room Pressure Monitor System is comprised of a dedicated touch-screen Display Module with Factory Cable, Sensor and Reference Probe(s), and an I/O Module. For multi-room monitoring applications, additional Sensor and Reference probes are provided. Figure 1 shows the Iso-Tek System provided for a single room application.

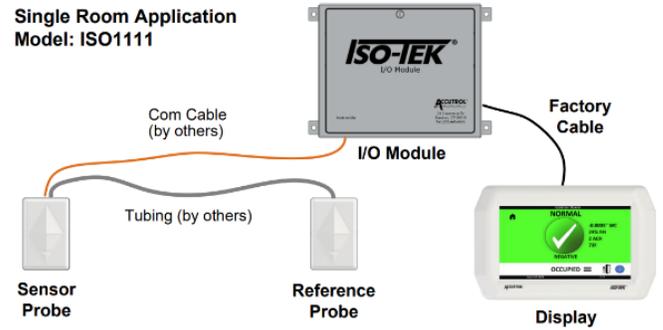


FIGURE 1

STEP 1: INSTALLATION

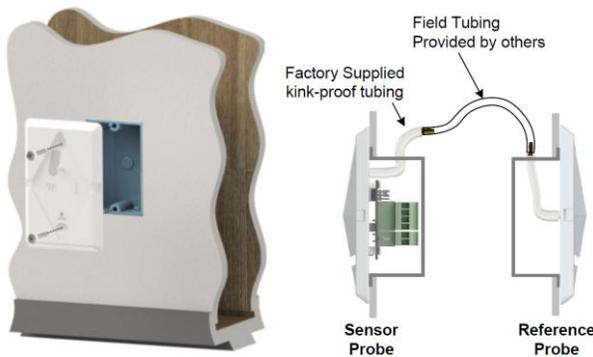
1a. Install the Iso-Tek I/O Module in an accessible location within range of the factory cable provided. The IO Module can be installed in a mechanical room, control panel or above the ceiling directly outside the room if access is provided and permitted.

1b. Install the Iso-Tek Display outside the room being monitored using the hardware provided.



1c. Install the Iso-Tek Sensor and Reference Probes.

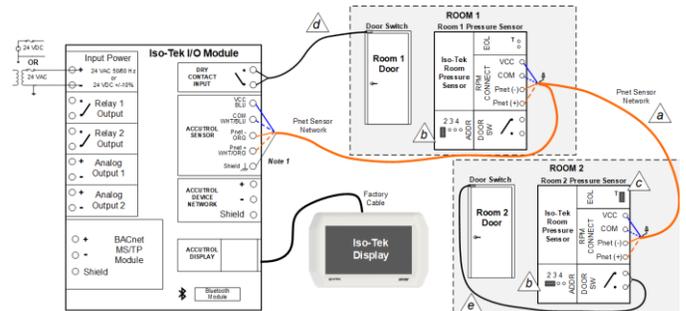
The Sensor Probe shall be installed inside the room being monitored and the Reference Probe shall be installed just outside the room being monitored.



CAUTION: The Sensor and Reference Probes must be installed in a location that is not influenced by diffusers or air currents.

STEP 2: WIRING

Connections to the Iso-Tek I/O Module will vary depending on the application requirements. The below diagram is provided as a general reference only for a two-room application. For detailed wiring requirements, refer to the job-specific submittal wiring diagrams and Iso-Tek Manual.



2a. For multi-room applications daisy-chain each sensor together using the “RPM Connect” plug terminal.

2b. Set Room 1 sensor address to ‘1’ by removing the ADDR jumper or parking it on a singular pin. For Room 2, set the ADDR jumper in position ‘2’. For additional rooms, set their ADDR jumpers in sequence; 3 and 4.

2c. Set the End of Line (EOL) Jumper to the terminate (T) position on the final sensor of the daisy chain. All other sensors should be set to the unterminated position.

2d. Door Switch associated with pressure sensor address 1 must be wired to the I/O Module.

2e. Door Switch associated with pressure sensor addresses 2, 3, and 4 must be wired to the door switch terminal on their respective sensor boards.

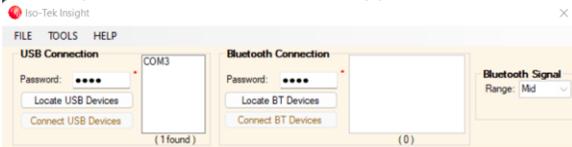
STEP 3: START-UP

3a. Before proceeding, confirm the following items:

- ✓ Installation & wiring is completed and verified.
- ✓ Power is present at the Iso-Tek I/O Module and verified to meet the specifications.
- ✓ Iso-Tek Display is on.

3b. Download Iso-Tek Insight™ from www.accutrollc.com, submit the key request, and complete the software installation per the instructions provided.

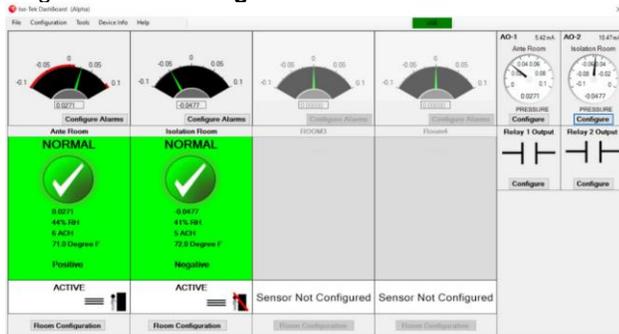
3c. Connect to the Iso-Tek using USB cable or optional wireless, open the Iso-Tek software application & connect.



3d. Configure the Iso-Tek by completing the device configuration screen.



3e. Configure room parameters and alarm setpoints using the Room Configuration button for each room.



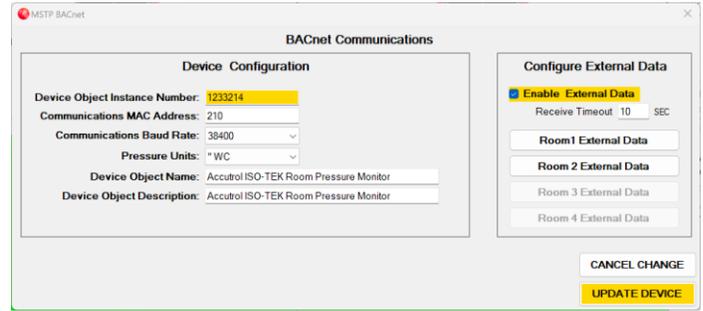
- Configure the Room Display Properties.
- Configure the Door Switch Configuration if door switches are installed and required.
- Configure the Alarms as required.

3f. From the Configuration Menu, select Set Clock to configure the Iso-Tek's internal date and time.

3g. From the Configuration Menu, select Altitude Configuration and set the altitude of the device as installed.

STEP 4: BACNET CONFIGURATION

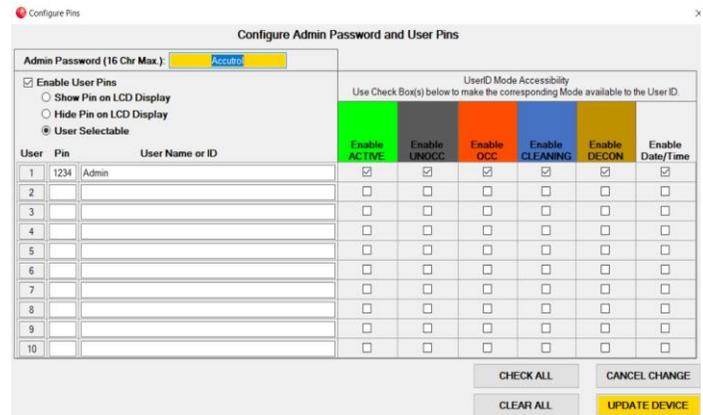
4a. Configure the Device BACnet parameters by selecting BACnet MSTP from the Configuration drop-down menu and completing the configuration form provided.



4b. BACnet data points such as room temperature and relative humidity that are provided by third party devices connected to the BACnet MSTP trunk can be displayed on the Iso-Tek by selecting Enable External Data and completing the form provided. You may need to revisit the Room Display Properties to set the display to show the third-party information on the Iso-Tek display.

STEP 5: USER PIN CONFIGURATION

If the Administrator Password and User PIN codes are going to be used, select Password/PIN Configuration from the configuration drop-down menu and configure parameters as desired.



This quick-start reference is not intended to be used exclusively as a comprehensive guide for the Iso-Tek Room Pressure Monitor System. For more details, refer to the Iso-Tek User Manual, submittal drawings and job specifications to obtain the required operating parameters.