START INSTALLATION PROCESS HERE

CAUTION

ELECTRICAL HAZARD

Failure to disconnect the power before beginning to install this product can cause electrical shock or equipment damage.

WARNING

All components of the system must conform to Class II circuits per the NEC Code.

Package Includes: TH Indoor
2 Wall Anchors w/ Screws
2 Wire Nuts

The XCSpec TH Indoor is to be used with the TstatPro+ or AQ TstatPro+ thermostats to add zones to the thermostat's temperature and humidity control. The TH Indoor MAC Address must be added to the ZONE Input page on the thermostat web page along with the "Weighted" contribution of the zone the TH Indoor is installed in. Please refer to the Commissioning Guide on the XCSpec website for further instructions on setting up the TH Indoor on the thermostat.

1 Recommended Mounting

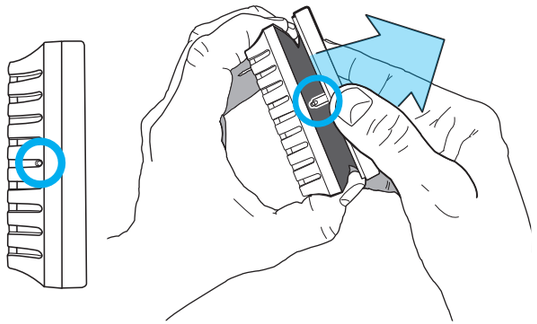
We recommend mounting the TH Indoor in a location with good exposure to the temperature and humidity of the space being controlled. Mount the unit to a flat wall using the two screws and drywall anchors provided. Standard wall-mounted thermostats have 24Vac power terminals that can be used. If no 24Vac power source is available, a low-cost, off-the-shelf transformer available at any hardware store can be used.

2 Removing The Top Cover

The top cover must be removed before the unit can be mounted to the wall.

CAUTION: Be sure not to damage the ribbon cable connecting the top cover and the housing!

To remove the top cover, locate the small tab on the left side, visible through the case slots (blue circle). While holding the housing in one hand, press down on the cover plate next to the tab and separate the two pieces.



Before closing the cover, record the unit password printed on the inside of the cover (take a photo with your cell phone). After successful installation, the cover can be put back on the unit by sliding the cover to the left and then gently pushing down on the right side.

3 Wiring Unit to a 24V Power Source

Attaching the TH Indoor to Thermostat Wires

The **RED** wire should be attached to the thermostat Rc or Rh terminal—whichever terminal is powered on the thermostat. The **BLACK** wire should be attached to the thermostat C terminal.

Attach the unit's red wire to the 24Vdc/ac source and the unit's black wire to common.

The power leads should exit the unit through the oval opening as illustrated, or through a slot in the side and routed into the wall, or dressed along the wall with wiremold covering. When powered on, a red indicator illuminates on the PCB.

4 Wi-Fi LED Status

The Wi-Fi LED indicates the device's connection status.

Solid Green: Connected to Wi-Fi (with or without internet)

Solid Red: Wi-Fi connection lost

Flashing Green: Connected to Wi-Fi, internet connection lost (flashes when idle)

The device may be reset as part of troubleshooting if needed.

Reset Button

Press and hold the reset button for 5 seconds to reset the hardware. If the Wi-Fi connection is lost, this is the recommended first step. Resetting the unit will cause the Wi-Fi to reestablish connection with the network the device was provisioned onto.

If the unit's Wi-Fi beacon is not showing on your phone or PC under available networks, resetting the unit will cause the TH Indoor to actively broadcast its beacon again.

5 Note on Temperature Calibration

The TH Indoor supports applying a temperature calibration value between –4°C and +4°C. This is done on the Setup page—instructions follow.
The calibration value is applied to the sensor reading and adjusted before being sent to the thermostat.

Please go to our website www.xcspec.com to find an overview, set up, and commissioning videos on the XCSpec TH Indoor

XCSPEC CONTROLS CORP.

TH Indoor

Installation Quick Start Guide

9901-3044

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500 Tamel Plaza, Ste. 513
Corte Madera, CA 94925

support@xcspec.com
415.463.8037

TH Indoor Unit

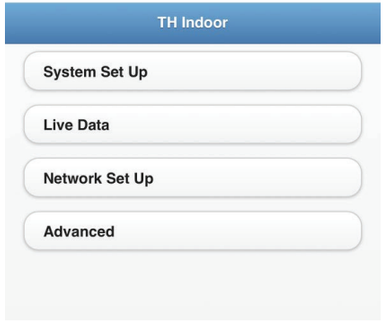
Setup and Commissioning

The TH Indoor has a web server that allows you to set up and commission the unit using a mobile device or computer capable of establishing a Wi-Fi connection and running a browser. You must be within Wi-Fi communication range of the display you are connecting to.

On your device, open the list of available Wi-Fi networks and select the network named TH Indoor-XXXX followed by the ast four nnumbers of the MAC address printed on the TH Indoor box. Select this network and enter the device password printed on the box or inside the cover.

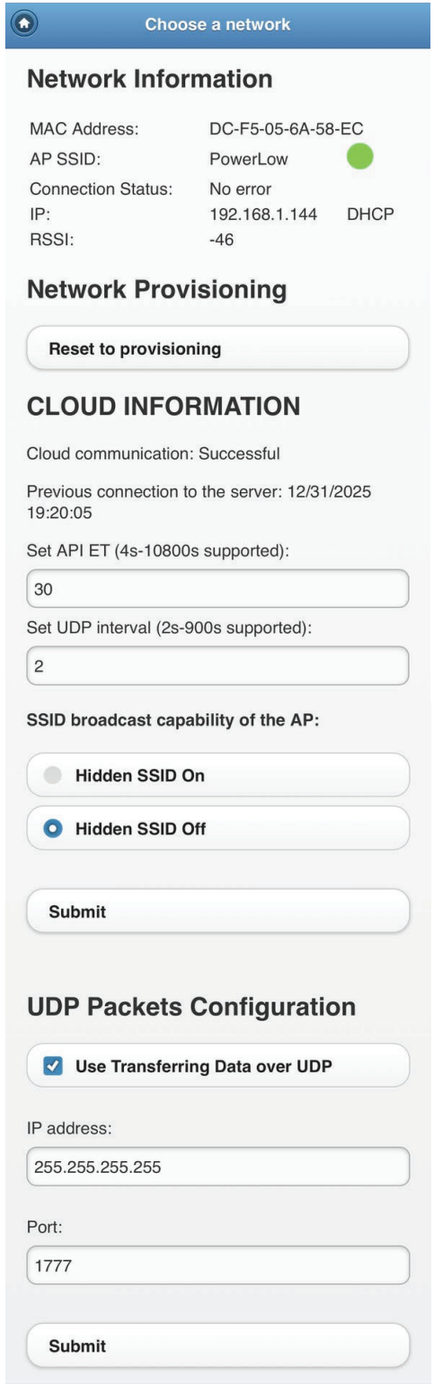
After the password is entered correctly, your device will show a successful connection to the transmitter. Click "ENTER" after making configuration changes.

1 Launch a browser and enter 192.168.10.1 into the address bar. The landing page shown below should appear. You can return to the landing page at any time by tapping the Home icon in the upper-left corner of the screen. **Suggested browsers:** Chrome, Safari, or Firefox.



2 The Network Setup page allows you to connect, or "provision," one or multiple displays with a transmitter. A non-provisioned display appears with a red dot.

Selecting the Scan button will show a list of available Wi-Fi networks. Choose the transmitter you are connecting to (for example, AWPT-XXXX) from the list. Enter the transmitter's password and click Submit. The dot will turn green when the connection is successful and will display the device MAC ID.



If this does not occur, tap the Reprovision button and repeat the steps above. Verify that you are using the correct password.
Note: RSSI (Wi-Fi signal strength) should not be less than –98 dB for a reliable connection.

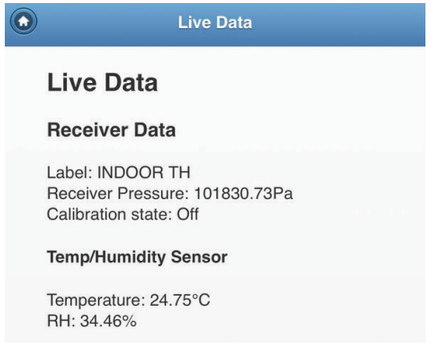
If the TH Indoor is zoned onto a thermostat, the data is sent to the specified IP address and broadcast using UDP packets. Specific unicast addresses or broadcast addresses can be specified. Consult your IT personnel to configure this according to your requirements.

Alternatively, both the Thermostat and TH Indoor can be assigned onto the same building network.

If the device is connected to an internet-enabled network, the unit will automatically transmit data to the cloud. API represents how frequently, in seconds, the cloud is updated with TH Indoor data.

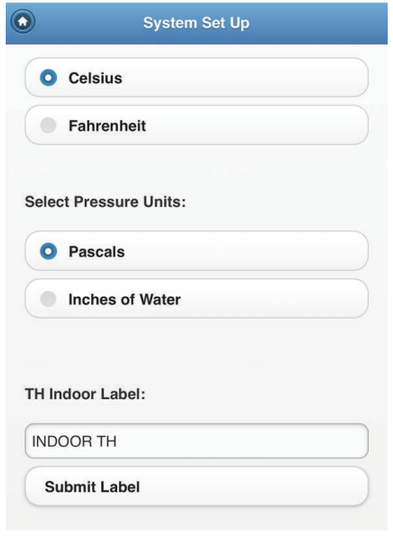
The Hidden SSID allows the device's Wi-Fi beacon (the TH-Indoor-XXXX) to be turned off or hidden. If the beacon is hidden, you will need to know it is available and manually connect to it.

3 The Live Data page displays real-time data from the TH Indoor and the transmitter. This data is continuously updated while you are on the page and should change slightly to reflect real-time conditions.



4 The System Setup page configures the temperature and pressure units that will be displayed on the Live Data page.
A human-readable label can also be assigned, e.g., Suite 618 Remote. If the TH Indoor is zoned to a thermostat, this label will appear on the thermostat's Live Data page.

A temperature offset can be applied to the temperature value sent to the thermostat. This value can be set between –4 and +4 degrees Celsius.



5 Advanced Information is intended for advanced users and factory troubleshooting. The Reset button resets the transmitter's processor as a diagnostic measure.