VENSTAR®

model: ACC-TSENWIFI
Temperature Sensor with Wi-Fi
Installation Instructions

OVERVIEW

This Wi-Fi module is intended to be used with a compatible Venstar thermostat. Please consult Venstar.com for a complete listing of compatible thermostats.

Before you begin the Installation:

Select a suitable location for the ACC-TSENWIFI sensor. Please note that it must have good Wi-Fi reception from the access point it is intended to join.

The Venstar Configurator App is needed to configure this sensor. This App may be downloaded from your mobile device store.

Please have handy the manual for the thermostat that will be paired with the sensor. Each line of thermostats has unique pairing procedures.

Each model thermostat has unique features in regards to averaging more than one ACC-TSENWIFI sensor. Please consult the thermostat manual to learn the thermostat's capabilities and setup procedure.

This sensor is compatible with all Venstar Wi-Fi thermostats with the latest firmware.

To Connect the Sensor to an Access Point:

1. Configure the Sensor
   - **a. Set the Type:**
     - i. **Outdoor** temperature is sampled and transmitted once every 5 minutes.
     - ii. **Return** temperature is sampled and transmitted once every 20 seconds.
       1. Must be connected to 24Vac for 20 second sample rate. If battery powered; 1 minute sample rate.
     - iii. **Remote** temperature is sampled and transmitted once every 5 minutes.
     - iv. **Supply** temperature is sampled and transmitted once every 20 seconds.
       1. Must be connected to 24Vac for the 20 second sample rate. If battery powered; 1 minute sample rate.
   - **b. Set the Unit ID:**

     If more than 1) ACC-TSENWIFI is joined to an access point each sensor will have to have a unique ID#.

     Up to 20 ACC-TSENWIFI sensors may be joined to 1 access point.
   - **c. Select the Temperature Sensor:**
     - i. **Onboard** will use the temperature sensor mounted on the circuit board of the ACC-TSENWIFI.
     - ii. **Remote** will use the sensor connected to the remote sensor terminals on the back of the ACC-TSENWIFI.
2. Install 4 AA batteries with the polarity as indicated on the ACC-TSENWIFI housing. (Disregard the battery installation when connecting to 24Vac)
   - a. Alkaline batteries are acceptable for operation in the temperature range of xxF to xxF degrees.
   - b. Below xxF degrees to xxF degrees it is recommended to use good quality Lithium AA batteries.
3. Press and hold the Link button until the Link LED starts to flash.
4. Use the Venstar Configurator App to setup the Wi-Fi connection.
   - a. The LED will stay solid when connecting to the access point.
   - b. If the connection is successful the LED will turn off.
   - c. If the connection is unsuccessful the LED will blink 5 times.

Pair to your thermostat:

1. After successfully connecting the sensor to the access point, press the Link button of the sensor.
2. Follow the thermostat's instruction manual to setup the thermostat to 'listen' and pair to the sensor.

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for an intentional radiator, pursuant to Part 15, subpart C of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference in radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that of the receiver.
- Consult the dealer or an experienced radio or TV technician for help.

Notice: Only peripherals complying with FCC limits may be attached to this equipment. Operation with noncompliant peripherals or peripherals not recommended by Venstar, is likely to result in interference to radio and TV reception. Changes or modifications to the product, not expressly approved by Venstar could void the user's authority to operate the equipment.

FCC - INDOOR Mobile Radio Information:

To comply with FCC/IC RF exposure limits for general population / uncontrolled exposure, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This Device complies with Industry Canada License-exempt RSS standard(s). Operation is subject to the following two conditions: 1) this device may not cause interference, and 2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Cet appareil est conforme avec Industrie Canada, exempts de licence standard RSS(s). Son fonctionnement est soumis aux deux conditions suivantes: 1) ce dispositif ne doit pas causer d'interférences, et 2) ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

En vertu des règlements d'Industrie Canada, cet émetteur de radio ne peut fonctionner en utilisant une antenne d'un type et maximale (ou moins) Gain approuvé pour l'émetteur par Industrie Canada. Pour réduire les interférences radio potentielles aux autres utilisateurs, le type d'antenne et son gain doivent être choisis afin que la puissance isotrope rayonnée équivalente (PIRE) ne est pas plus de ce qui est nécessaire pour une communication réussie.

We, Venstar, declare under our sole responsibility that the device to which this declaration relates: Complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC ID: MUH-SEN6

IC: 12547A-SEN6

These numbers can be located on the inside of the thermostat backplate, in the upper right corner.

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Thermostat MUH-SEN6 FC Tested to Comply with FCC Standards FOR HOME OR OFFICE USE

Industry Canada Industrie Canada