

Braeburn®

MODEL
5490

Remote Outdoor Sensor

USER MANUAL

The Braeburn 5490 Remote Outdoor Sensor senses the outdoor air temperature and transmits the information to a compatible Braeburn thermostat. When the 5490 sensor has been installed, the thermostat can display the outdoor temperature, limit the heat pump system, and automatically limit humidification settings.

READ ALL INSTRUCTIONS BEFORE PROCEEDING

WARNING!

Important Information

- Read this manual thoroughly prior to installing remote outdoor sensor.
- The 5490 Remote Outdoor Sensor is not used to control room temperature.
- Prior to finishing installation, refer to the Braeburn® thermostat Installation Guide and test thermostat operation.
- This remote outdoor sensor should only be used as described in this manual. Any other use is not recommended and will void the warranty.

INSTALLATION

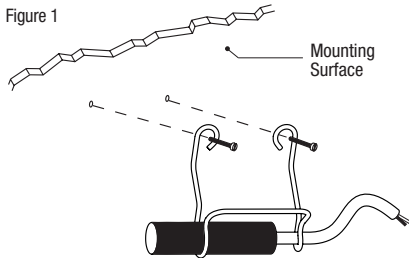
NOTE: *When installing the remote outdoor sensor, be sure to locate the remote outdoor sensor at least 3 feet from all exhaust fans. It should be mounted on the north, east or west side of the building out of direct sunlight and above the expected snow line. Incorrect temperature control may result if these requirements are not met.*

INSTALLATION *cont.*

1. Install the Braeburn® thermostat as specified in the Installation Guide.
2. Run two wire (22 gauge minimum) cable from the thermostat (terminals S1 and S2) to the remote outdoor sensor location. Maximum distance between the thermostat and remote outdoor sensor is 200ft.
3. Use non-hardening caulk to plug any wiring holes.
4. Install the Remote Sensor Hanging Bracket using the screws and anchors supplied.
5. Place the remote outdoor sensor into the bracket (see Figure 1).
6. Connect wires to the sensor leads using the wire nuts supplied. The wires can be connected with either polarity.
7. After completing the installation, please refer to the thermostat Installation Guide to verify proper remote sensor operation.

INSTALLATION *cont.*

Figure 1



NOTE: To use the remote outdoor sensor, you must select the outdoor remote sensor function for the S1 and S2 thermostat terminals during Installer setup (see the thermostat Installation Guide).

INSTALLATION *cont.*

The 5490 can be used for determining if balance points have been exceeded, for humidity control, and for outdoor temperature display. It is NOT used for room temperature control. If the outdoor sensor is used, the room temperature is controlled using the indoor thermostat sensor.



Braeburn Systems LLC warrants each new Braeburn® remote outdoor sensor against any defects that are due to faulty material or workmanship for a period of five years after the original date of purchase by a professional service technician. This warranty and our liability does not apply to

damage to merchandise or the remote outdoor sensor resulting from accident, alteration, neglect, misuse, improper installation or any other failure to follow Braeburn installation and operating instructions.

Braeburn Systems LLC agrees to repair or replace at its option any Braeburn remote outdoor sensor under warranty provided it is returned postage prepaid to our warranty facility in a padded carton within the warranty period, with proof of the

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original date of purchase and a brief description of the malfunction. This limited warranty does not include the cost of removal or re-installation.

This warranty gives you specific legal rights and you may also have other rights that vary from state to state or province to province. Answers to any questions regarding our limited warranty may be obtained by writing our corporate offices.

WARRANTY FACILITY:

Braeburn Systems LLC
Attn: Warranty Department
2215 Cornell Avenue
Montgomery, IL 60538

Store this booklet for future reference

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Technical Assistance: www.braeburnonline.com

Call us toll-free: 866-268-5599 (U.S. Only) • 630-844-1968 (Outside the U.S.)

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