



# Temperature Sensor Package Installation & Operation Manual

Thank you for purchasing this TSP Temperature Sensor Package to accompany your AirScape® Whole House Fan. This accessory enables you to observe the temperature inside and outside of your home, allowing you to easily determine if conditions are suitable for operating your fan. Included in this package are: an upgraded wall switch (which houses the interior temperature sensor); an outdoor temperature sensor; and a single 50 ft. length of CAT-5e cable.

## INSTALLATION & SETUP

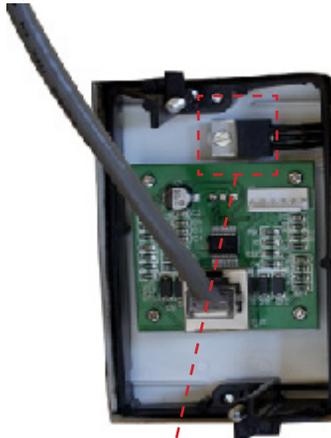
### Networking

The readings from the TSP's temperature sensors will only be displayed on your whole house fan's web controls, which requires your fan be connected to your home's network. If you haven't already, connect the two using CAT-5e or CAT-6 cable (not included) run from your router to the white **WEB** port on the control box mounted to your fan's damper box.

### Interior Air Temperature / TSP Wall Switch

The TSP wall switch replaces the standard wall switch supplied with your whole house fan. This upgraded switch's face plate and control interface is identical to the standard model's, but also includes the TSP package's indoor temperature sensor (as shown in Figure 1 at right).

Figure 1



The indoor temperature sensor is located inside of TSP wall switch

To install the TSP wall switch, unscrew the face plate of the standard wall switch from its wall bracket, unplug the switch, and replace it with the TSP wall switch.

*If you have not previously installed the standard wall switch, please refer to the instructions for mounting a wall switch in the 2<sup>nd</sup> Gen. Controls Installation and Operation Manual supplied with your fan.*

To ensure the temperature sensor's accuracy, we **strongly** recommend installing the TSP wall switch only on an insulated interior wall. At minimum, position the switch away from any sources of heat such as exterior walls or direct sunlight.

## INSTALLATION & SETUP, *cont.*

### Outdoor Temperature Sensor

The TSP outdoor temperature sensor is housed within a tubular cover (shown below in Figure 2). Mount this cover in your desired location using a standard wood screw, taking care not to overtighten the screw and crack the cover. Use the CAT-5e cable supplied with this package to connect the temperature sensor (using the RJ45 port on the circuit board within its cover) to the yellow **AUX** port mounted on the control box mounted to your fan's damper box..

To connect the temperature sensor to the control box, you will likely need to drill a hole through an exterior wall. 50 feet of CAT5e cable has been provided with this kit; keep this length in mind when selecting a location for the outdoor temperature sensor. **This cable is unshielded: do not run it parallel to high-voltage wiring.** Building codes usually require unshielded low-voltage cable to be run through shielded conduit.

Figure 2



Some Tips for Ideal Sensor Placement:

- It is best to mount the sensor at least two feet above ground level.
- Install the sensor on a North facing wall, away from any exposure to direct sunlight.
- Avoid locating the sensor beneath an eave that itself is located above a lower-story roof (which would expose the sensor to radiant heat or heat pooling).
- Avoid locating the sensor in an area exposed to excessive vibration or electrical noise.
- **Install the sensor with its cover facing downwards, so as to prevent rain from entering or condensation from pooling.**

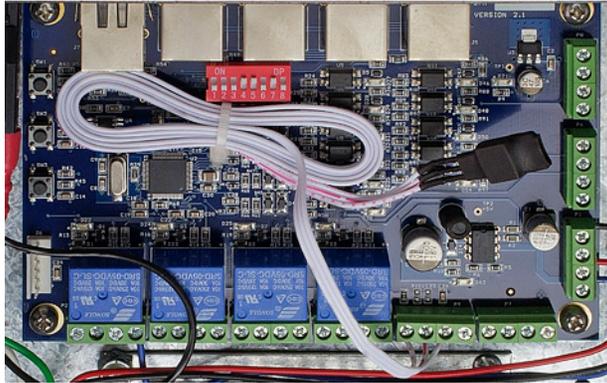
### Attic Temperature Sensor

An attic temperature sensor has been installed on the fan's control board at the factory. You can complete its setup once your fan is installed in the attic.

First, unplug your whole house fan from the outlet supplying it with electricity. Next, use a flat-head screwdriver or ¼" socket to loosen the four screws on the control box's cover plate, and slide the the plate up and off of the box to expose the control board. The sensor is located on the end of a wire attached to the circuit board, and bundled centrally thereon (as shown in Figure 3).

Remove the cable tie securing the bundle and pass the sensor through one of the box's knockouts. To manage the sensor wire, a strain relief has been included to mount into the knockout. You can leave the sensor hanging anywhere in the attic, but should avoid placing on a source of direct heat or heat sink. Finish the setup by replacing the cover plate and reconnecting the fan to electricity.

Figure 3



Attic temperature sensor wiring bundle.

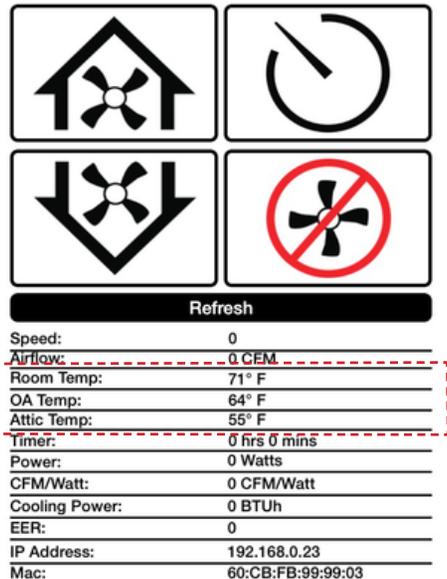
**ACCESS & OPERATION**

Once installed, the readings from your TSP's sensors will display on your fan's web controls. These controls can be accessed by any computer, smartphone, or tablet connected to same network to which you previously connected your fan.

To access these controls, simply open a internet browser and type your fan's IP address into the URL bar. Your fan's IP address can be found on the front page of its Installation and Operation manual, or on the label affixed to its control box. An app is also available for smartphones and tablets—it is available on the App Store for iOS devices, and on Google Play for Android devices.

Whatever device you use to access your fan's web controls, the control interface will be the same and temperature readings will appear in the same location, as shown below in Figure 4.

Figure 4



**WARRANTY**

**Hardware**

AirScape warrants the original end user ("Customer") that new AirScape branded controls will be free from defects in workmanship and materials, under normal use, for one (1) year from the original purchase date.

**Software**

AirScape warrants to Customer that the AirScape Controller software will perform in substantial conformance to its program specifications for a period of one (1) year from the date of the original purchase.

**Exclusions**

This warranty excludes: 1) physical damage to the surface of the product, including cracks or scratches on the LCD screen or outside casing; 2) damage caused by misuse, neglect, improper installation, unauthorized attempts to open, repair, or modify the product, or any other cause beyond the range of intended use; 3) damage caused by accident, fire, power changes, other hazard, or Acts of God; or, 4) use of the product with any device if such device causes the problem.

**Exclusive Remedies**

Should a covered defect occur during the warranty period and Customer notifies AirScape, Customer's sole and exclusive remedy will be, at AirScape's sole option and expense, to repair or replace the product. Replacement products or parts may be new or reconditioned or a comparable version of the defective item. AirScape warrants any replaced product or part for a period of ninety (90) days from shipment, or through the end of the original warranty, whichever is longer.

**Obtaining Warranty Service**

Customer must contact and return product to AirScape, Product dealer or installer within the applicable warranty period to obtain warranty service. Dated proof of original purchase will be required. AirScape will not be responsible for Customer's memory data contained in, stored on, or integrated with any products returned to AirScape for repair, whether under warranty or not.

**Warranty Exclusive**

The foregoing warranties and remedies are exclusive and in lieu of all other Warranties, express or implied, including warranties of merchantability, Fitness for a particular purpose, correspondence with description, and Non-infringement, all of which are expressly disclaimed by AirScape and its suppliers.

**Disclaimer**

Neither AirScape nor its suppliers shall be liable for incidental, consequential, indirect, special, or punitive damages of any kind, or financial loss arising out of or in connection with the sale or use of this product, whether based in contract, Tort (including negligence) or any other theory, even if AirScape has been advised of the possibility of such damages AirScape's entire liability shall be limited to replacement or repair of the product.

*For all technical or warranty-related issues, or for more information on AirScape products, please contact us by phone at 866-448-4187 or by email at [experts@airscapefans.com](mailto:experts@airscapefans.com).*