SURFACE REMOTE TEMPERATURE SENSOR
Cat. No. 23A00-1
Installation Instructions and User's Guide

LEVITON®

| INSTALLATION | ENGLISH |

WARNINGS AND CAUTIONS
- Read and understand all instructions. Follow all warnings and instructions marked on the product.
- Do not use this product near water - e.g., near a tub, wash basin, kitchen sink or laundry tub, in a wet basement, or near a swimming pool.
- Never push objects of any kind into this product through openings, as they may touch dangerous voltages.
- SAVE THESE INSTRUCTIONS.

WARNINGS AND CAUTIONS
- Never install communications wiring or components during a lightning storm.
- Never install communications components in wet locations unless the components are designed specifically for use in wet locations.
- Never touch uninsulated wires or terminals unless the wiring has been disconnected at the network interface.
- Use caution when installing or modifying communications wiring or components.

DESCRIPTION

The Model 23A00-1 is a surface mount temperature sensor that can be installed on an Omnistat2 thermostat to monitor the temperature of a remote location, can be combined with the onboard temperature sensor for the average temperature of two locations, or can be used to monitor the outdoor temperature for dual fuel heat pump installations.

When used indoors, the remote sensor allows a customer to monitor the temperature of an area without having a visible thermostat. The thermostat, or group of thermostats, could be in a different location offering the customer complete control of temperatures.

SPECIFICATIONS
DIMENSIONS: 2W x 1.5H x 1D

INSTALLATION

1. Install Omnistat2 base in selected thermostat location and connect to heating/cooling equipment per manufacturer's instructions.

2. Connect thermostat to base and confirm that everything operates correctly. Disconnect the thermostat from the base.

3. Run a twisted pair, shielded cable from the Omnistat2 to the Remote Temperature Sensor location. For distances up to 100 feet, typical twisted pair, PVC-insulated, shielded cable may be used. For distances from 100-150 feet, twisted pair with polypropylene insulated conductors, shielded must be used. For distances from 150-250 feet, twisted pair with foam-polyethylene insulated conductors, shielded must be used. Wire runs must not exceed 250 feet.

4. Open cover to the Model 23A00-1 Remote Temperature Sensor. Connect the data wires of the shielded cable to the wires on the temperature sensor using the supplied wire splices.

5. Wrap the shield around the jacket of the cable and tape.

6. At the Omnistat2 location, make the connections to the Green and Black terminals under the section marked "Remote Temp Sensor" on the right terminal strip. Note that the shield and one of the wires from the remote temperature sensor are tied together and get connected to the Black terminal – See Figure 1.

CONFIGURATION

Reconnect the Omnistat2 to the base and configure the remote temperature sensor according to the application.

The Temperature Sensor Installation Settings are used to configure the internal temperature sensor and optional remote temperature sensor that is connected to the thermostat. Any temperature sensors that are set as the same type (i.e. indoor or outdoor) will display the average temperature reading among the sensors. An asterisk (*) next to a setup item indicates the default setting.

Internal Sensor: This will enable or disable the onboard temperature sensor for indoor use only. *Enabled
External Sensor 1: This will enable the external temperature sensor for indoor or outdoor use. All indoor and outdoor temperatures are averaged between all sensors of the same type. *Disabled

OPERATION

On the Omnistat2 Home Page, confirm that the thermostat is displaying the proper temperature. If the remote temperature sensor is configured as "outdoor', confirm that the proper outdoor temperature is displayed in the Message Bar on the Omnistat2.
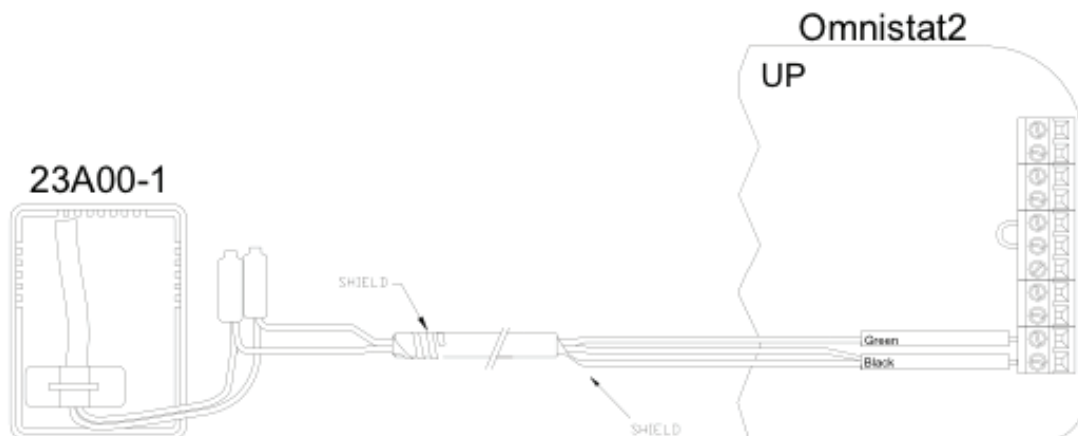

FIGURE 1: OVERALL INSTALLATION DIAGRAM

WEB VERSION

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 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 to radio communications. However, there is no guarantee that 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 to which the receiver is   connected.
- Consult the dealer or an experienced radio/TV technician for help.

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9** or by telephone at **1 800 405-5320.**

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