

# AprilAire<sup>®</sup>

## Sensor

### SPECIFICATION SHEET

## Wireless Sensors

Monitor Temperature & Humidity,  
Indoor or Outdoor



Z100DT – OUTDOOR  
WIRELESS SENSOR



Z101DT – INDOOR  
WIRELESS SENSOR

### Features:

- Easy to install
- Wirelessly connects\*

### Indoor Sensor:

- Can pair up to 8 indoor temperature sensors\*
- Wireless indoor sensors allow for temperature control through Temperature Averaging or Sensor Controlled Scheduling (see reverse side for details)

### Outdoor Sensor:

- More effective control of an air source heat pump with balance points
- Enable automatic humidification
- Enable ventilation lockouts
- Display outdoor temperature on thermostat

\*with an AprilAire S86WMUPR Thermostat



Download the AprilAire  
Wi-Fi Thermostat App



## SPECIFICATIONS

**Communications:** 2.4 MHz

**Wireless range:** 35 feet

**Temperature measurement range/accuracy:**

Accuracy:  $\pm 2^{\circ}\text{F}$  ( $40^{\circ}\text{F}$  to  $105^{\circ}\text{F}$ ),  $\pm 5^{\circ}\text{F}$  outside of this range  
Range:  $-40^{\circ}\text{F}$  to  $125^{\circ}\text{F}$

**Humidity measurement range/accuracy:**

Accuracy:  $\pm 5\%$  RH between 20% and 80% RH  
Range: 0.5% to 99.5% RH

**Dimensions:**

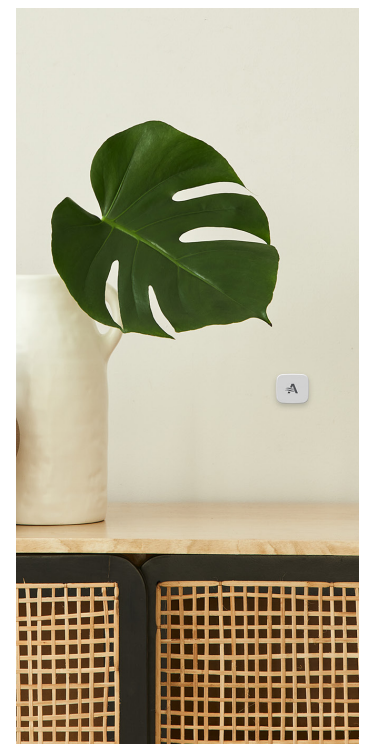
Indoor: 1.79" x 1.79" x 0.53"  
Outdoor: 2.16" x 2.16" x 0.74"

**Battery life:**

Indoor: Approximately 1 year  
Outdoor: Approximately 2 years

**Battery type:**

Indoor: Lithium CR2032 type  
Outdoor: Lithium CR2477 type



# Improved Comfort Control

## Temperature Averaging

- Control heat/cool calls through the primary thermostat or connect up to 8 wireless indoor sensors and control based on the average.
- Averaging the temperature throughout the home can offer more consistent temperature control, as well as reduce hot/cold spots .

## Sensor Controlled Scheduling

- Indoor sensors can be used to set scheduled events in specific parts of the home, offering improved temperature control when and where desired (see the example below).

Schedule	Control Through
Wake	Primary Living Room Thermostat
Leave	Wireless Sensor in Home Office
Return	Average all Wireless Sensors and Thermostat
Sleep	Wireless Sensor in 2nd Story Bedroom

