

# AprilAire<sup>®</sup>

## Thermostat

### SPECIFICATION

## S86 Series Thermostat

Multi-Stage | Universal | IAQ & Wi-Fi Options



### Features:

- Color Graphical Display
- Real Language Setup
- Capacitive Touch Interface
- Programmable & Non-Programmable
- Dual Fuel Capable
- Air filter and HVAC Service Reminders
- High & Low Balance Point with Outdoor Temperature Sensor
- Geofencing Capabilities



Download the AprilAire  
Wi-Fi Thermostat App



### EASY TO INSTALL

- Real language menus for quick, intuitive setup.
- Basic and Advanced HVAC installer settings for more streamlined installation
- Programmable and Non-Programmable
- Home Automation capable (S86WMUPR)

### EASY TO PROGRAM

- Best in class schedule setup is more intuitive for homeowners leading to fewer call backs
- Individual days, weekdays, weekends, or 7-day programmability
- Convenient Heat Blast<sup>®</sup> option to raise room temperature 3° to 5° F
- Programmable fan control with fan circulation mode
- Progressive recovery ensures proper temperature at the start of a program event
- Improved energy savings through use of Geofencing (S86WMUPR)

### EASY TO USE

- Menu style navigation is simple and intuitive
- Color graphical display for easier reading
- Displays room temperature, room humidity, temperature setting, and outdoor temperature
- Capacitive touch interface
- Remote access and control over Wi-Fi (S86WMUPR)

### WIRING TERMINALS

#### S86NMU

RH RC W Y G C O/B L W2 Y2 T1 T2

#### S86NMUPR

RH RC W Y G C O/B L W2 Y2 T1 T2 I2 II

#### S86WMUPR

RH RC W Y G C O/B L W2 Y2 T1 T2 I2 II

### SPECIFICATIONS

**Dimensions:** 4.38" x 4.38" x 0.80"

#### Environment:

Operating Temperature - 32° to 120° F (0° to 48.9° C)

Operating Humidity - 5% to 90% Relative Humidity

**Electrical:** Operating Voltage - 24VAC (18-30VAC)

Current - Maximum: 2.5A (total), 1.0A (single output)

**Thermal:** Display Range Room Temperature:

32° to 99° F (0° to 40° C)

Outdoor Temperature: -40° to 130° F (-40° to 55° C)

Setpoint Range: Heat: 40° to 90° F (4° to 32° C)

Cool: 50° to 99° F (10° to 37° C)

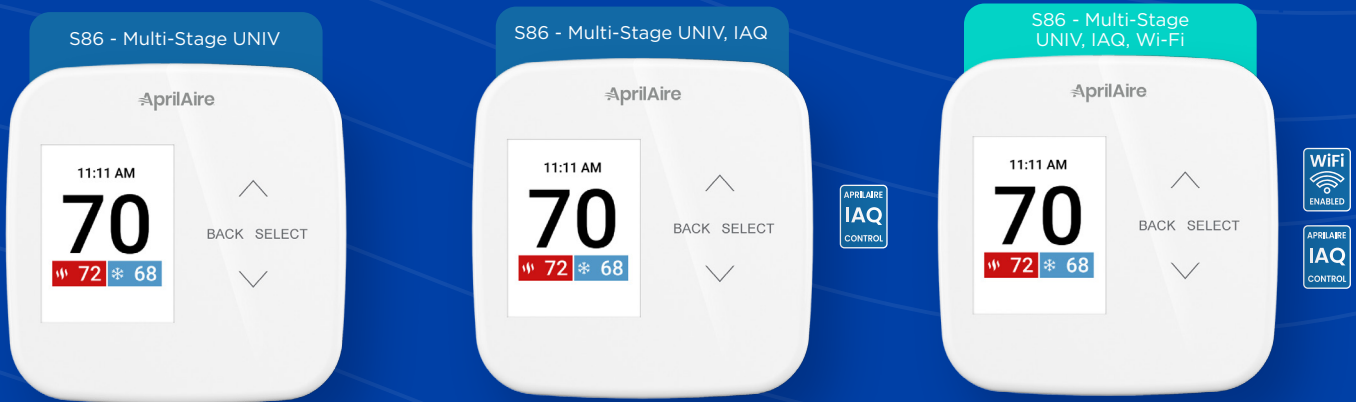
### ACCESSORIES

- Z10IDT Wireless Indoor Temperature and Humidity Sensor (S86WMUPR)
- Z10ODT Wireless Outdoor Temperature and Humidity Sensor (S86WMUPR)
- 8051 Flush Mount Temperature Sensor
- 8052 Outdoor Temperature Sensor
- 8053 Surface Mount Temperature Sensor
- 8086 Wall Cover
- 8022 Add-a-Wire Adaptor

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Thermostat

Easy to Install. Easy to Setup.  
Easy to Use.



	Multi-Stage Universal	Multi-Stage Universal w/IAQ	Wi-Fi Multi-Stage Universal w/IAQ
<b>Model #</b>	S86NMU	S86NMUPR	S86WMUPR
<b>Heat/Cool Stages</b>	2H / 2C	2H / 2C	2H / 2C
<b>Heat Pump Stages</b>	4H / 2C	4H / 2C	4H / 2C
<b>Power</b>	24V (C-wire Required)	24V (C-wire Required)	24V (C-wire Required)
<b>Display</b>	2.4" Color	2.4" Color	2.8" Color
<b>Navigation/Set-up</b>	Real Language	Real Language	Real Language
<b>IAQ Controls</b> (Ventilation, Dehumidifier or Humidifier)	No	Choose 1	Choose 1
<b>Wi-Fi</b>	No	No	Yes
<b>Wireless Sensors</b>	No	No	Indoor (Z100DT) / Outdoor (Z100DT)
<b>Add-A-Wire Power Adapter (8022) option available for all thermostat models.</b>			