

Optima S Thermostat

ST898ZB



A stylish contemporary design with intuitive selectable interfaces make the Optima S Thermostat the modern multi-stage controller for all types of HVAC systems, from heat pumps to furnace and air conditioners, with or without a C wire.

- Works with home automation systems to allow smartphones, tablets or PCs to control the HVAC system from anywhere
- Contemporary deep black display fits any decor
- Simple display mode option provides a clean simple interface
- Display dimming keeps temperature visible without lighting up the room
- Automatic Heat/Cool changeover for attention free comfort
- Push terminals for easy, quick and simple installation

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The SALUS logo features a stylized 'S' symbol followed by the word 'SALUS' in a bold, sans-serif font.

Description and Features

The SALUS Optima S Thermostat is a low voltage thermostat suitable for heat pumps, conventional furnaces and/or air conditioners, and provides the following features.

- Contemporary deep black LCD display
- Touchscreen user input
- Simple or detailed display mode
- Always on (auto-dimming) display option if using C wire
- Support for 2-stage heat pump with auxiliary heat
- Support for 2-stage conventional furnace and/or air conditioner
- Automatic Heat/Cool changeover
- Works with Zigbee home automation systems
- Time and date display when connected
- Push button terminals
- AA Alkaline batteries for backup or operation without C-wire
- Up to 18 month battery life

System Overview



Order Details

Optima S Thermostat		
Model	Single Unit UPC	Carton GTIN
ST898ZB	817989021526	10817989021523 (20 pcs)

Specifications

Touch Screen Controls

Heat/Cool Mode + (increase)	Fan Mode -(decrease)	Settings
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Display

Status Text Messages	Time	Room/Set Temperature
Permanent Hold Status	Battery Low	Room Humidity
Fan Status	Network Status	

Terminals

	Furnace and A/C	Heat Pump
RJP	Power Jumper (RH)	
RC	24 VAC for Cooling System or Jumper to RJP	
RH	24 VAC for Heating System	24 VAC for Heat Pump
C	24 VAC Common Return	
Y1	Single/1st Stage Cooling	Single/1st Stage Compressor
Y2	2nd Stage Cooling	2nd Stage Compressor
W1AX	Single /1st Stage Heating	Auxiliary or Emergency Heat
W2OB	2nd Stage Heating	Changeover Valve
G	Fan Control	
L	Not Used	System Monitor

Mechanical

Weight: 0.77 lbs (350 g)
Dimensions: 4.2" x 4.2" x 1.1" (10.7 x 10.7 x 2.9 cm)

Power

C-wire or (2) AA alkaline batteries
C-wire: R/RC/RH: 18-30 VAC, 60 Hz
Battery life: 18 months under normal usage

Radio

802.15.4 radio (2.54 GHz), Zigbee based protocol

Environmental

Operating: 32 to 122 °F (0 to 50 °C), <95% RH, non-condensing
Storage: 14 to 140 °F (-10 to 60 °C) < 95% RH, non-condensing

Agency Compliance

FCC, Industry Canada

Warranty

5 year limited warranty

Note: Specifications are subject to change without notice

