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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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
- 2x AA alkaline batteries for non-C wire or backup operation
- Up to 18 months on a set of AA alkaline batteries

System Overview

Order Details / Contact

Model Name: Optima S Thermostat

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

Tel: 1.650.360.1725
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Specifications

Controls		
Main touch button		
Mode touch button		
Fan touch button		
Settings touch button		
Up touch button		
Down touch button		
Reset Button		
Indicators		
Message Display		
Time Display		
Main Temperature		
Permanent Hold Status		
Network Icon		
Mode: Auxiliary Heat, Heat, Cool, Off		
Fan Mode: Fan Auto, Fan		
Fan Status		
Low Battery		
Humidity		
Up Button Labels		
Down Button Labels		
Button Outlines		
Terminals		
	Furnace and Air Cond.	**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 x 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 HA1.2 based protocol		
Environmental Conditions		
Operating: 32 -122 °F, 0 - 50 °C, 5 - 95% RH, non-condensing		
Storage: 14 - 140 °F, -10 - 60 °C, 5 - 95% RH, non-condensing		
Agency Compliance		
FCC, Industry Canada		
Warranty		
5 years limited warranty		

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