

Optima Thermostat

ST880ZB / ST880ZBPB



One touch ring to control the HVAC.

Whether it's a heat pump, conventional furnace, or air conditioner, this thermostat can control the system with a touch.

- Intuitive touch ring control for ease of use
- Control the HVAC system from anywhere using smartphones, tablets or PCs when connected to a compatible home automation system
- Consistent comfort with advanced accuracy controls
- Stylish contemporary design to fit any decor
- Compatible with all forced air systems that use low voltage thermostats
- Quick and simple installation, even on non-C wire systems

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Descriptions and Features

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

- Touch ring user input
- Support for 2-stage heat pump with auxiliary heat
- Support for 2-stage conventional furnace and/or air conditioner
- Works with Zigbee home automation systems
- Time and date display when connected
- Lever lock terminals
- AA Alkaline batteries for backup or operation without C-wire
- Up to 18 month battery life
- Two colors: ST880ZB White
 ST880ZBPB Black

System Overview



Order Details

Model Name: Optima Thermostat		
Model	Single Unit UPC	Carton GTIN
ST880ZB	817989021502	10817989021509 (20 pcs)
ST880ZBPB	817989021519	10817989021516 (20 pcs)

Specifications

Controls

Slider Ring	Fan / Hold /Back touch button
- / Previous touch button	Mode / Enter touch button
+ / Next touch button	Reset Button

Indicators

Day of Week & Time	Set Point Temperature
Heat and Cool Icons	Low Battery
Room Temperature	System Mode
Radio Icon	Fan Mode
Fan Indicator	Message Area

Terminals

Furnace and A/C		Heat Pump	
RC	24 VAC for Cooling System	R	24 VAC for Heat Pump
RH	24 VAC for Heating System	--	Jumper to R
C	24 VAC Common Return	C	24 VAC Common Return
--	Reserved	L	System Monitor
Y1	Single/1st Stage Cooling	Y1	Single/1st Stage Compressor
Y2	2nd Stage Cooling	Y2	2nd Stage Compressor
W	Single /1st Stage Heating	W1	Emergency Heat
W2	2nd Stage Heating	O/B	Changeover Valve
G	Fan Signal	G	Fan Signal
--	Reserved	--	Reserved

Mechanical

Weight: 0.76 lbs (3450 g)
Dimensions: 4.2" x 4.2" x 1.1" (10.7 cm x 10.7 cm 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 years limited warranty

Compatible Devices

SG888ZB Universal Gateway

Note: Specifications are subject to change without notice

