2H/1C Wi-Fi Thermostat
ST921WF

The SALUS SOLO Wi-Fi Thermostat is an economical, full featured, connected thermostat which is simple to install, configure and operate.

- Connects easily to 2.4GHz Wi-Fi networks
- Control from your phone, tablet or Alexa and Google Home devices
- Large LCD Display with with tactile feedback buttons
- 4 powered relay outputs accommodate a variety of HVAC and hydronic systems
  - 2 Heating & 1 Cooling or 1 Heating & 2 Cooling outputs for conventional HVAC and hydronic systems
  - 2 Heating & 1 Cooling outputs for heat pump applications

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Description and Features

- Works with SALUS SOLO application
- Convenient commissioning with Bluetooth
- Alexa and Google Home Support
- Compact Size: 3.94" x 4.17" x 0.92" (100 mm x 106 mm x 22.5 mm)
- Large LCD Display 2.2" x 2.9" (57mm x 73mm)
- Weekday/weekend or daily schedule
- 6 schedule intervals
- Configure for conventional boiler/furnace, heat pump, or dual-fuel systems
- 4 powered relay outputs for fan, heating & cooling
- Optional Wire Extender (SA918) provides an easy alternative to replacing the thermostat connection wires

Application Overview

SA918 Wire Extender Module

Order Details

2H/1C Wi-Fi Thermostat		
Model	Single Unit UPC	Carton GTIN
ST921WF	817989021687	10817989021684
Wire Extender Module		
Model	Single Unit UPC	Carton GTIN
SA918	817989024862	10817989024860

Specifications

Controls	
Mode button	Fan button
∧ Up button	∨ Down button

Indicators	
Temperature	Temperature Set Point
Heat Mode Icon	Cool Mode Icon
Heat/Cool/Auto	Emergency Heating
Fan Status	Keypad Locked
Time of Day	Day of Week
Schedule Icon	Hold Set Point
Wi-Fi Network Connected	

Electrical

18-30VAC, 60Hz with, or without C-wire (switch selectable)
5 Relay outputs rated 1A @ 18-30VAC

Terminals

	Conventional AC/ Furnace	Heat Pump
RC		Power – Cool
RH		Power – Heat
C		Common
G		Fan
Y1	1st Stage Cooling	1st Stage Compressor
W1/OB	1st Stage Heating	Reversing Valve
*	Auxiliary	Emergency Heat
L	– Not Used	Check/Fault input

Note: Use SA918 Wire Extender if C-wire is not available.

Mechanical

Weight: 0.6lb (297g)
Dimensions: 3.94"H x 4.17"W x 0.92"D
(100mm x 106mm x 22.5mm)

Communications

802.11 b/g/n, 2.4GHz band
Bluetooth v4.2 BR/EDR and BLE (for commissioning only)

Environmental

Operating: 32° - 122°F (0° - 50℃), <90% RH, non-condensing
Storage: 14° - 140°F (-10° - 60℃), <90% RH, non-condensing

Agency Compliance

FCC, Industry Canada
RoHS Compliant

Warranty

5 year limited warranty

Compatible Devices

SA918 Wire Extender Module

Note: Specifications are subject to change without notice