SAVANT

Savant® SmartControl RS232 Wi-Fi Controller (SSC-W02R)
Quick Reference Guide

Box Contents

- (1) SmartControl RS232 Controller (SSC-W02R)
- (1) Installation Kit (075-0174-xx)
  - (1) Mounting Plate (074-0569-xx)
  - (1) 6-pin Screw Down Plug-in Connector (028-9352-xx)
  - (1) 5V DC 1.2A Power Supply (025-0207-xx)
  - (1) Cable Tie (014-0071-xx)
- (1) Product and Regulatory Insert (009-1950-xx)

Specifications

Environmental	
Temperature	32° to 104° F (0° to 40°C)
Humidity	10% to 90% (non-condensing)

Dimensions and Weights				
	Height	Width	Depth	Weight
Device	0.64 in (1.62 cm)	2.70 in (6.85 cm)	2.67 in (6.78 cm)	0.50 lbs (0.22 kg)
Shipping	3 in (7.62 cm)	7 in (17.78 cm)	10 in (25.40 cm)	2.0 lbs (0.90 kg)

Power	
Input	5V DC 1.2A
Maximum	6 watts

Standards	
Wireless	Wi-Fi (802.11 b/g/n 2.4 GHz) ⚠️ IMPORTANT! 802.11r (fast roaming) is not supported.
Security	WPA™, WPA2™, WPA/WPA2™, WEP

Regulatory				
Safety and Emissions	FCC Part 15 FC	CE CE	C-Tick	UKCA UKCA
Contains FCC ID:	TLZ-CU277			
Contains IC:	6100A-CU277			
RoHS	Compliant			

Minimum Supported Release	
Savant OS	da Vinci 8.2

Network Guidelines

For more information, see the **Savant Device Networking Guidelines** on the Savant Customer Community.

Front Panel

Ⓐ Ⓑ

SAVANT

Reset Status

Ⓐ Press and hold for five seconds while powered On to clear the network settings. The Status LED blinks rapidly when reset is complete.
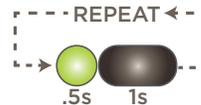
Off: No Power

On Solid: Provisioned to the local network and communicating with the Savant System Host.

Blinks Once: In Provisioning Mode. Ready to be added to the local network.
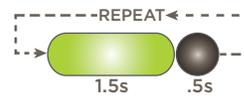
REPEAT
.5s 1s

Blinks Twice: Establishing connection with the local network.

REPEAT
.5s .5s .5s 1s

Ⓑ **Blinks Three Times:** Connected to the local network. Is connecting to the Host.

REPEAT
.5s .5s .5s .5s .5s 1s

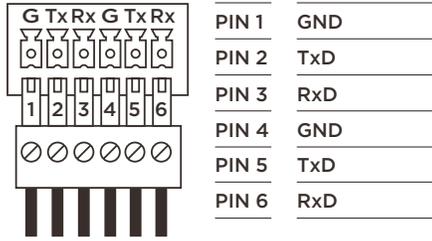**Short Off Blink:** Firmware is updating.

REPEAT
1.5s .5s

Rapid Blink: The reset button was held down for at least five seconds and the SSC-W02R is performing a factory reset. After reset, all network settings are cleared and the factory defaults are set.
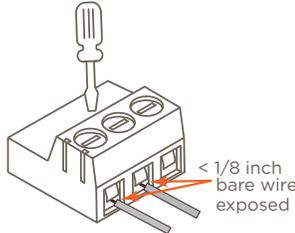
REPEAT
.1s .1s .1s .1s
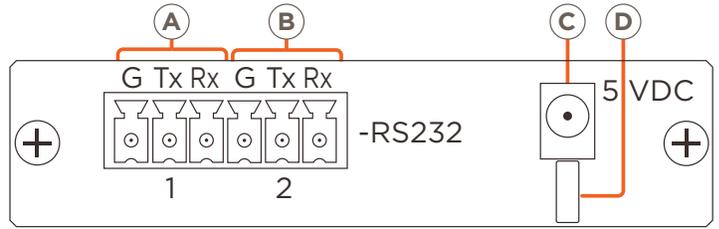
RS-232 Wiring and Connections

A 6-pin screw down type connector is included with each SSC-W02R controller. This connector plugs into the connection on the rear of the controller.

PIN 1	GND
PIN 2	TxD
PIN 3	RxD
PIN 4	GND
PIN 5	TxD
PIN 6	RxD

1. Remove power if applied.

2. Pull to remove the terminal block from the rear of the controller.

3. With a small flat bladed screwdriver, turn the screws on top of the connector counterclockwise until the silver crimps in the rear of the connector open enough to slide the wire(s) into the square slots.

4. Strip back the insulation on each of the wires ¼ inch. Insert the stripped wires into their proper ports. Do not allow more than ⅛ inch of bare wire exposed.

< 1/8 inch bare wire exposed

5. Turn the screws on the top of the connector clockwise until the crimps tighten around each wire. Tug on each wire a bit to verify they are installed securely.

6. Plug terminal block back into the rear of the controller.

7. Reapply power.

Rear Panel

-RS232
5 VDC

RS-232 Port 1 - 6-Pin Plug-In Connector (Left 3 Pins)

A	G	Signal Ground
	Tx	Transmit Data
	Rx	Receive Data

RS-232 Port 2 - 6-Pin Plug-In Connector (Right 3 Pins)

B	G	Signal Ground
	Tx	Transmit Data
	Rx	Receive Data
C	Input Power	5V DC 1.2A. Connect to included power supply.
D	Cable Lance	Use with included cable tie to secure power supply connection.

Connecting to a Wireless Network

Refer to the **SmartControl RS232 – Wi-Fi Smart Controller with 2 RS232 Deployment Guide** located on the Savant Customer Community to connect the SSC-W02R to the local network.

Additional Documentation

Additional Documentation is available on the Savant Customer Community.

- SmartControl RS232 - Wi-Fi Smart Controller with 2 RS232 (009-1374) Deployment Guide
- RS-232 Conversion to DB-9 and RS-422/485 Pinout Reference Guide