

Installer Guide

Inline Water Shutoff Valve

SC904ZB 3/4" Inline Water Shutoff Valve

SC907ZB 1" Inline Water Shutoff Valve

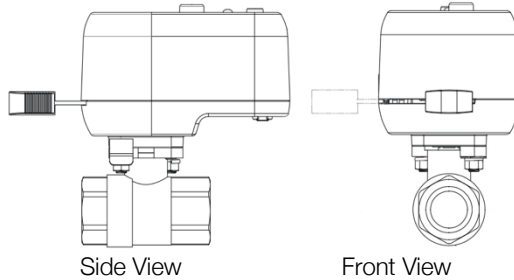
SC908ZB 1 1/4" Inline Water Shutoff Valve



Certified to
NSF/ANSI 61 & 372

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- ⚠ Installation should be performed by a licensed plumber.
- ⚠ Install in accordance with local plumbing codes.
- ⚠ Turn off water supply before beginning installation.
- ⚠ The manufacturer does not accept responsibility for any damage caused by DIY installations or not following these instructions.



Dimensions (in/mm)

Model	SC904ZB	SC907ZB	SC908ZB
Length	5.68/144	5.68/144	5.68/144
Width	2.85/72.3 *	2.85/72.3 *	2.85/72.3 *
Height	4.90/124.5	5.60/142.3	6.13/155.3
Valve connection	3/4" NPT	1" NPT	1 1/4" NPT
Valve Length	2.60/66.0	3.56/90.4	4.09/103.9

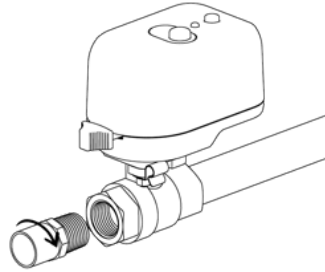
* Allow 1 1/2 " clearance for when valve is closed

1. FEATURES

- Third-party certified to NSF/ANSI 61-G & 372 for compliance with the National Safe Drinking Water Act.
- Three options to operate the valve:
 - Manually Close/Open using the Clutch release.
 - Close/Open using multi-function button.
 - Close automatically when a leak is detected (requires Gateway, Smart Connect App and SS901ZB water leak sensors – sold separately).
- AC Power adapter with 13-foot (3m) cable length.

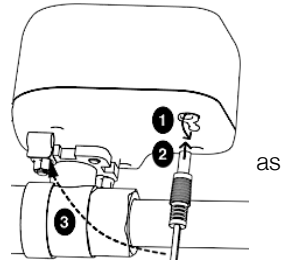
2. INSTALLATION

- Identify the location for the Shutoff Valve depending on the desired water outlet to be controlled. Make sure of the following:
 - The location is accessible and allows operation of the Manual Override button and lever.
 - The path of the Manual Override Lever is clear of any obstructions.
- Install the valve using the appropriate adapters and materials required for the plumbing at the location.



Once attached to the plumbing, apply power as follows:

- Remove plug from power jack ❶.
- Insert barrel plug from power adapter into power jack ❷.
- Run power cable to AC outlet, using cable clips required ❸.
- Plug power adapter into AC outlet.



3. LED INDICATOR STATUS

Solid yellow at power up:	Initializing device
3 yellow flashes, pause and repeat:	Searching for network
Green flash, pause and repeat:	Connected to network
Yellow, green flash, pause and repeat:	Multi-Function Button jammed
Solid green at power up:	Factory Reset Request detected
Solid red:	Obstruction encountered

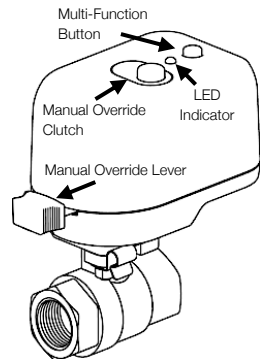
4. CONTROLS

There are 3 options to operate the valve:

1. Multi-Function Button

Electrically Open, Close, or position the valve.

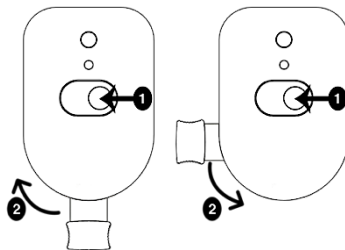
- Press the Multi-Function Button and the valve will begin to Open or Close depending on the starting point.
- Allow the valve to move to the fully Open or Closed position and it will stop.
- or
- Press the button to stop the valve motion at the desired position.



2. Manual Override Clutch release

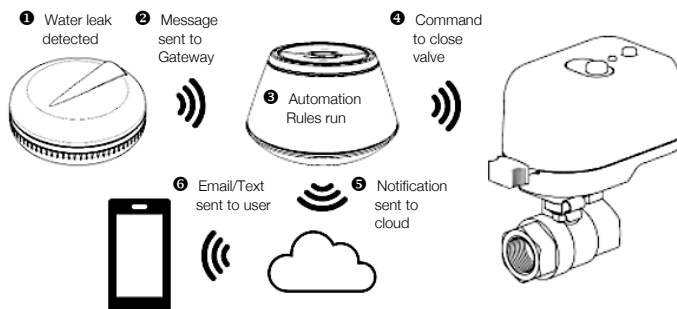
Mechanically Open, Close, or position the valve.

- Press and hold the Manual Override Clutch.
- Move the Manual Override Lever to the desired valve position.
- Release the Manual Override Clutch to re-engage the motor.



3. Automatically triggering the valve to Close (requires SG888ZB and SS901ZB sold separately)

- Use a SALUS Gateway (sold separately) to create the wireless network.
- Add the Inline Shutoff Valve to the wireless network.
- Add a SS901ZB Wireless leak detector (sold separately) to the network.
- Use the SALUS Smart Connect App to create an Automation that closes the valve if a leak is detected.
- Use this Automation to send an alert email or text message if connected to the internet.



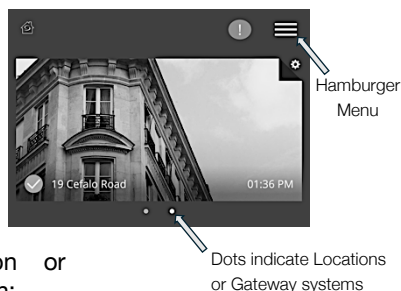
5. PAIRING

Download and install the Salus Smart Connect App from

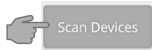


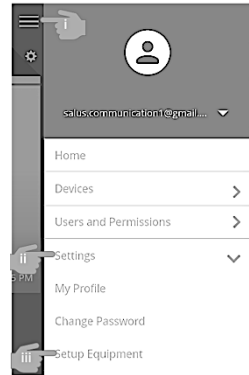
Open the App and sign in or create a new account if you do not already have one.

1. Install the Gateway following the instructions included in the package.
2. The App opens the Smart Home Dashboard with a Gateway selected.
 - a. If there is more than one Gateway associated with your account:
 - i. Swipe left or right to display the desired Gateway or Location or
 - ii. Tap the 'Hamburger' menu icon:
 1. Tap **Locations** from the drop-down menu.
 2. Tap the desired Location.



3. To Add devices to your wireless mesh network:

- a. From the Smart Connect App Dashboard:
 - i. Tap the **Hamburger Menu** icon.
 - ii. Tap **Settings** from the drop-down menu.
 - iii. Tap **Setup Equipment** from the expanded menu.
 - iv. A new page will open, tap **Scan Devices**.

 - v. A New page will open showing the Gateway is **Scanning for devices**. This may take a few minutes.
NOTE: The Gateway will time out after 15 minutes.

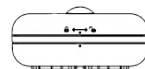


- b. Prepare the devices to Join or Pair with the Gateway:
 - i. Inline Shutoff Valve:

1. On initial power up out of the box, after initialization, the LED should flash Yellow: 3 times, pause, repeat.
2. If not:
 - a. Remove power from the device.
 - b. Press and hold the Multi-Function button.
 - c. Reapply power and wait for the LED to flash as above.

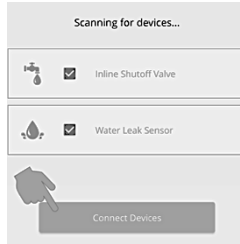
- ii. Water Leak Sensor

1. Remove the cover by rotating counterclockwise.
2. Remove the Red battery tab to power the device.
3. The SS901ZB LED will flash Red: 3 times, pause, repeat for 6 cycles and then go to 'Sleep'.
4. If the LED does not blink Red 3 times:
 - a. Tap the Multi-Function button to reinitiate Pairing.
 - b. If it does not blink now, perform a factory reset:
 - i. Remove the battery.
 - ii. Press and hold the Multi-Function button while reinserting the battery.
 - iii. Release the Multi-Function button within 4 seconds of reinserting the battery.
5. Replace the cover making certain to align the two dots on the top and bottom of the cover.

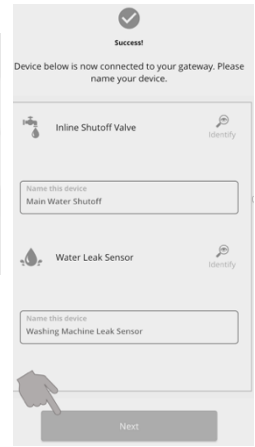


c. "Joining" devices with the network created by the Gateway.

- i. Once the devices are found, check the boxes for the those you wish to add. Tap **Connect Devices**.



- ii. Give the devices a meaningful name so that it is easily identifiable. Tap **Next** to save the name.
- iii. A new page will open. Tap **Finish** to complete.



6. AUTOMATIONS

Automations are a feature of the SALUS Smart Connect App and provide a powerful **WHEN / DO THIS** programming language that is menu driven to make it simple to create multifaceted control sequences.

Automations are stored in the SALUS Gateway and will execute even if the Gateway loses its connection to the internet.

- The **WHEN** is a trigger to initiate an action based on an event or condition. Example: a SS901ZB Leak Sensor detects moisture.
- The **DO THIS** is the action the device is to perform when the event occurs. Example: the SC904ZB Shutoff Valve is to close.

There are 2 types of Automations:

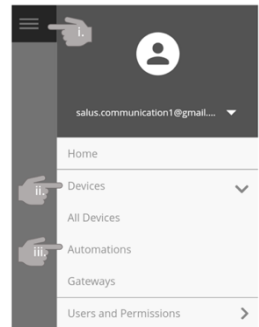
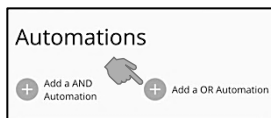
- An **AND** – requires all **WHEN** triggers to be 'true' to trigger a **DO THIS**.
- An **OR** – a **DO THIS** will be initiated if any **WHEN** trigger is 'true'.

For this example, we will use an **OR Automation** that closes the Shutoff Valve and sends a text and email notification to a user, if a water leak is detected.

To begin, open the SALUS Smart Connect App.

1. To create the Automation:
 - i. Tap the **Hamburger Menu** icon.
 - ii. Tap **Devices** from the drop-down menu.
 - iii. Tap **Automation** from the expanded menu.

2. A new page will open: Tap **OR Automation** (any **WHEN** will trigger the Automation).



3. A new page opens allowing you to define the **WHEN** trigger and **DO THIS** actions.

Create a OR Automation

Name this Automation

E.g. Porch lights
Turn off water if leak sensed

Set the rules

WHEN
Run Now button is pressed

WHEN (+)

DO THIS (+)

THEN DO THIS LATER (+)

REPEAT DO THIS (+)

Save

Give the Automation a meaningful name.	Name this Automation E.g. Porch lights Turn off water if leak sensed
Tap WHEN Then tap <i>State of Device</i> to set the trigger for the DO THIS action.	WHEN (-) State of Device > Time of Day > Back
Tap <i>Washing Machine Leak Sensor</i> to be used to trigger the DO THIS action.	WHEN (-) Main Water Shutoff > Washing Machine Leak Sensor > Back
Tap the event that will be used trigger the DO THIS action. Tap Set , to save and return to the program page.	WHEN (-) Sensor is alerting Back Set

4. You will return to the Automation page to define the **DO THIS** action.

Name this Automation

E.g. Porch lights
Turn off waster if leak sensed

Set the rules

WHEN
Washing Machine Leak Sensor is Washing Machine Leak Sensor is alerting

OR WHEN
Run Now button is pressed

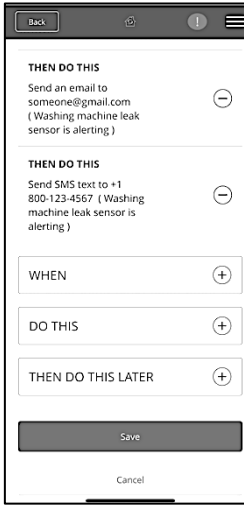
WHEN (+)

DO THIS (+)

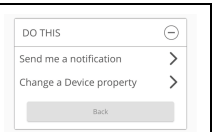
THEN DO THIS LATER (+)

Tap DO THIS . Tap the action to perform: <i>Change a Device Property</i> .	DO THIS (-) Send me a notification > Change a Device property > Back
Tap to select the device. <i>Main Water Shutoff</i>	DO THIS (-) Main Water Shutoff > Back
Tap the action the device is to take. <i>Close the Shutoff Valve</i> Tap Set .	DO THIS (-) Open inline Shutoff Valve Close inline Shutoff Valve Back Set

5. Create a second DO THIS to send a Notification



Tap **DO THIS**.
Then tap *Send me a notification*.



If you have not previously entered contact information you will see this page.

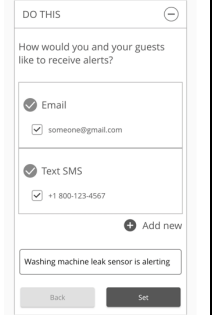
Tap the + button to add new contact cell number and email address.

Add the information.

Or

Check the box of an existing email or text number.

Type a descriptive message you would like to receive tap **Set**.



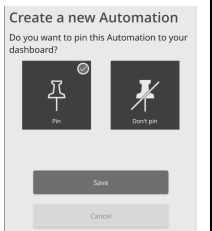
Tap **Save**.



A new page will open allowing you to "Pin" the new Automation to the dashboard.

Tap **Pin**.

Tap **Save**.



7. FACTORY RESETTING THE DEVICE

If the device is unresponsive, or you want to reinitiate the Pairing process:

- Remove power by unplugging the power adapter from the outlet or plug from the device.
- Press the Multi-Function Button and apply power the device.
- Release the button when the Status LED turns solid green. The device will now respond to pairing requests.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux CNR exempts de licence d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes :

- (1) Ce dispositif ne peut causer des interférences ; et
- (2) Ce dispositif doit accepter toute interférence , y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

Please Note: This device may have been updated over the internet since this manual was printed. Always refer to the support web site for the latest information.

Limited Warranty

When installed by a professional contractor, this product is backed by a 5-year limited warranty. Limitations apply. For limitations, terms, and conditions, you may obtain a full copy of this warranty:

- Visit us online: www.braeburnonline.com/warranty
- Phone us: 866.268.5599
- Write us: Braeburn Systems LLC
2215 Cornell Avenue
Montgomery, IL 60538



Braeburn Systems LLC
2215 Cornell Avenue • Montgomery, IL 60538
Technical Assistance: www.braeburnonline.com
Call us toll-free: 866-268-5599 (U.S.)
630-844-1968 (Outside the U.S.)