

# Location:



# SYMMONS® Dia ActivSense™

S6350B & S6350E

Sensor Lavatory Faucet

## Operations and Maintenance Manual



### Warranty

**Limited Lifetime** - to the original end purchaser in consumer/residential installations.

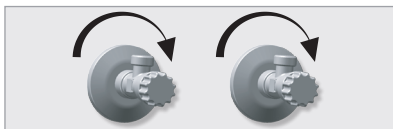
**10 Years** - for commercial/industrial installations. Refer to [www.symmons.com/warranty](http://www.symmons.com/warranty) for complete warranty information.



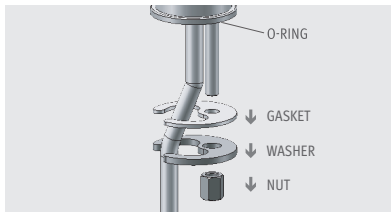
### Installation Instructions

#### Step 1 - Preparation for Mounting the Faucet

1. Shut off the water supply

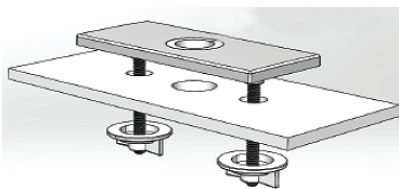


2. Remove the hexagonal nut, the disk, and the gasket. Do not remove the o-ring from the base of the faucet

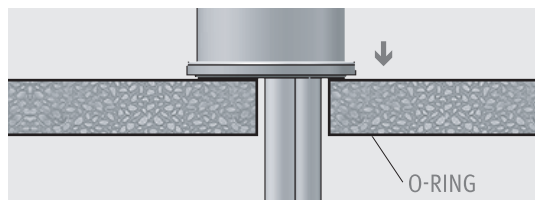


#### Step 2 - Installing the Faucet

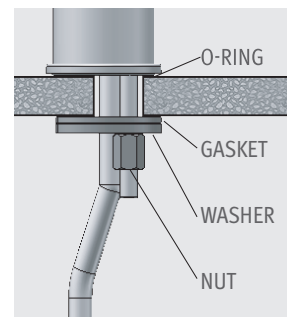
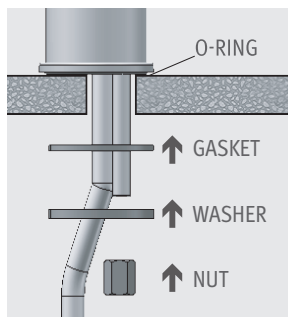
1. Optional: Place deck plate through the holes on the deck and secure deck plate prior to faucet installation



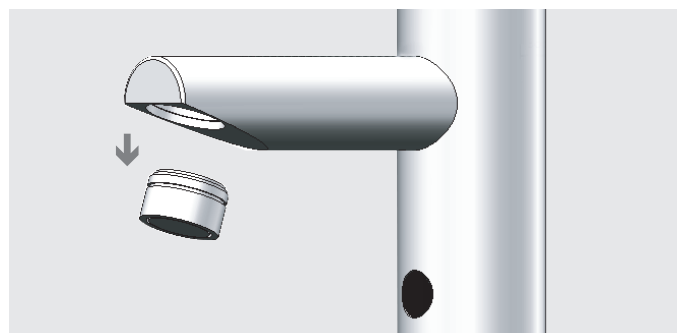
2. Place the faucet with o-ring into the hole in deck lavatory. Make sure the o-ring is located between the deck or lavatory and the bottom of the faucet.



3. Slide the gasket, disk, and hexagonal nut over the flexible hose and secure the faucet into place.



4. Your faucet was supplied with a 0.5 GPM aerator installed. Also, supplied is a 0.35 GPM and 1.0 GPM aerators. If an alternate flow rate is required replace the aerator and the housing. Please note the housing is marked the the flow rate of the supplied aerator.

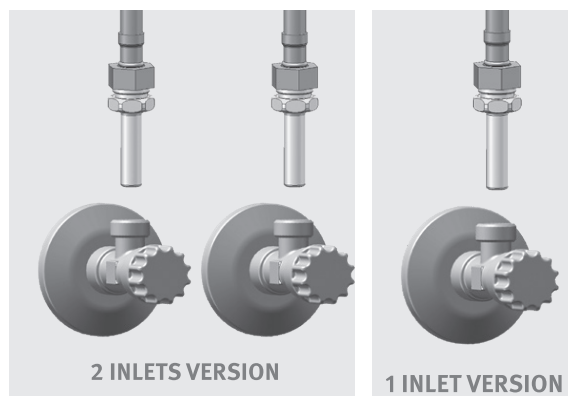


## Installation Instructions

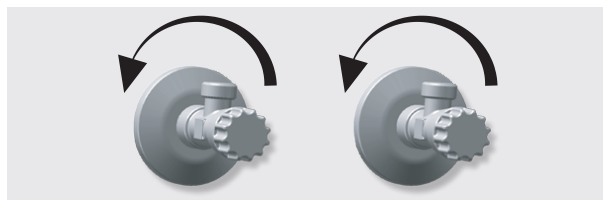
### Step 3 - Connecting the Water Supply

1. Connect the flexible pipe to the water supply.  
*For models with temperature control connect the red flexible pipe to the hot water supply and the blue flexible to the cold water supply.*

***Make sure that the filter(s) is/are install between the flexible pipe and the shut off valve (angle valve) (not supplied).***



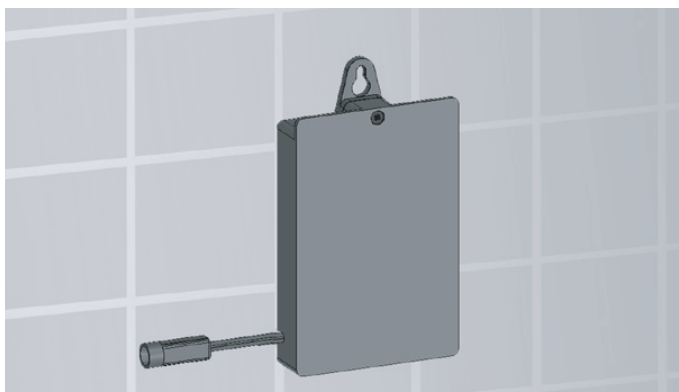
2. Turn on the central water supply and the shut-off valves (angles valve) and check for leaks)



### Step 4 - Connecting the Power Source

#### Battery Version

Install the battery box underneath the sink with the cable connection pointing down. The box can be secured by inserting a screw into the wall and hanging the box on it.



#### Transformer Version

Plug the transformer into an electrical outlet and connect to the faucet.



## Settings Adjustment



### Adjusting the Setting with the Remote Control

If necessary, the sensor setting can be adjusted as following:

Shut off the water supply. in order to adjust the sensor with the remote control, hold the remote control straight in front of the sensor in a distance of about 6-8" (15-20cm). Choose the function you want to adjust by pressing once on one of the function buttons. After pressing once on a specific function button, a quick flashing of the LED at the front of the sensor will occur. At this tage, you can change the setting by pressing the (+) or the (-) buttons, every push will increase or decrease one level. After finishing the adjustment, turn the water supply back on.



**DETECTION RANGE:** Only if necessary, use the remote control to adjust the sensor range as follows:

Press the (RANGE) button Wait until a quick flashing of the LED in the sensor eye is perceived. Then, press + to increase the one level and - to reduce it every push will increase or decrease one level.

**NOTE:** Once you have changed the detection range with the remote control, this distance will be remembered by the sensor, even if the power source is disconnected.

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## Settings Adjustment

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**DELAY IN TIME:** If required, the delay in time can also be modified as follows: Press the IN button. Wait until a quick flashing of the LED in the sensor eye is perceived. Then, press (+) to increase the delay in time and (-) to reduce it.



**DELAY OUT TIME:** This button allows modifying the flushing start time after the user moves away from the product. A delay out time close to 0 will save more water. An increased delay out time will make the user experience more comfortable.

If required, the delay out time can be modified as follows:

Press the OUT button. Wait until a quick flashing of the LED in the sensor eye is perceived. Then, press + to increase the delay out time and - to reduce it.



**TEMPORARY OFF FUNCTION:** This function is ideal to perform any kind of activity in front of the sensor without operating the system (for example, cleaning).

The product will remain shut for minute when this button is pressed once. To cancel this function and to return to normal operation press the (On/Off) button again or wait 1 minute.



**RESET BUTTON:** This function restores all the factory settings except for the sensor range. If required, press the Reset button and without releasing it, press the (+) button once.

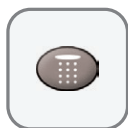


**SECURITY TIME:** The Security time, prevents continuous flushing of water due to reflections or vandalism. By default, if the sensor is covered for more than 90 seconds the water flow will shut automatically. To resume regular operation any obstruction must be removed.

Press the (SEC) button. Wait until a quick flashing of the LED of the sensor eye is perceived. Then, press (+) to increase the security time and (-) to reduce it.



**24 HOUR HYGIENE FLUSH:** This model includes a 24 hour hygiene flush which is disabled. To activate the hygiene flush, press the (clock) button. Wait until a quick flashing of the LED in the sensor eye is perceived. Then press (+) to activate the hygiene flush. To disable it again, press (-) to deactivate it.



**COMFORT FLUSH:** If your model includes a comfort flush setting, it can be activated by pressing the flush button.

When the button is pressed, one blink of the LED in the sensor eye is perceived. The pre-programmed flush cycle will take place then. The comfort flush cannot be interrupted or deactivated by pressing any button until it is over.

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## Maintenance

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### Filter cleaning instructions

This faucet is provided with one/two stainless steel filter(s) preventing foreign articles to enter the lines. If the water flow has decreased, this can be because the filter(s) is/are clogged. The filter(s) can be cleaned as follows:

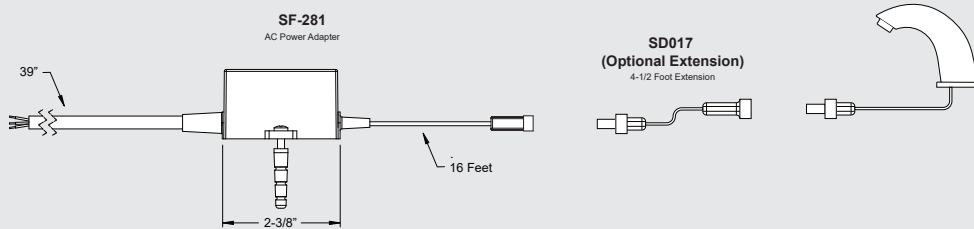
1. Shut-off the water shut off valve (angle valve).
2. Disconnect the flexible pipe/s.
3. Remove the filter(s) and wash it/them under running water.
4. Reassemble the parts.
5. Make sure that there is no water leakage.

### Care and cleaning of chrome and special finishes

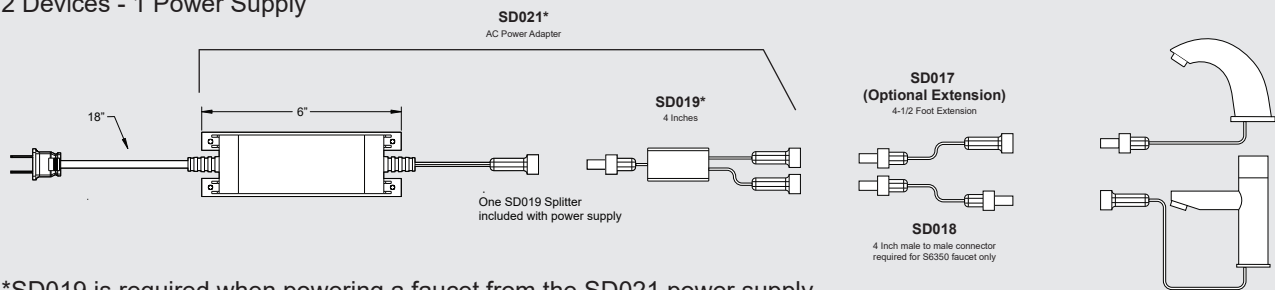
**DO NOT** use steel wool or cleansing agents containing alcohol, acid, abrasives, or the like. Use of any prohibited cleaning or maintenance products or substances could damage the surface of the faucet. For surface cleaning of faucet use **ONLY** soap and water, then wipe dry with clean cloth or towel. When cleaning bathroom tile, the faucets should be protected from any splattering of harsh cleansers.

## Power Layout

### 1 Devices - 1 Power Supply

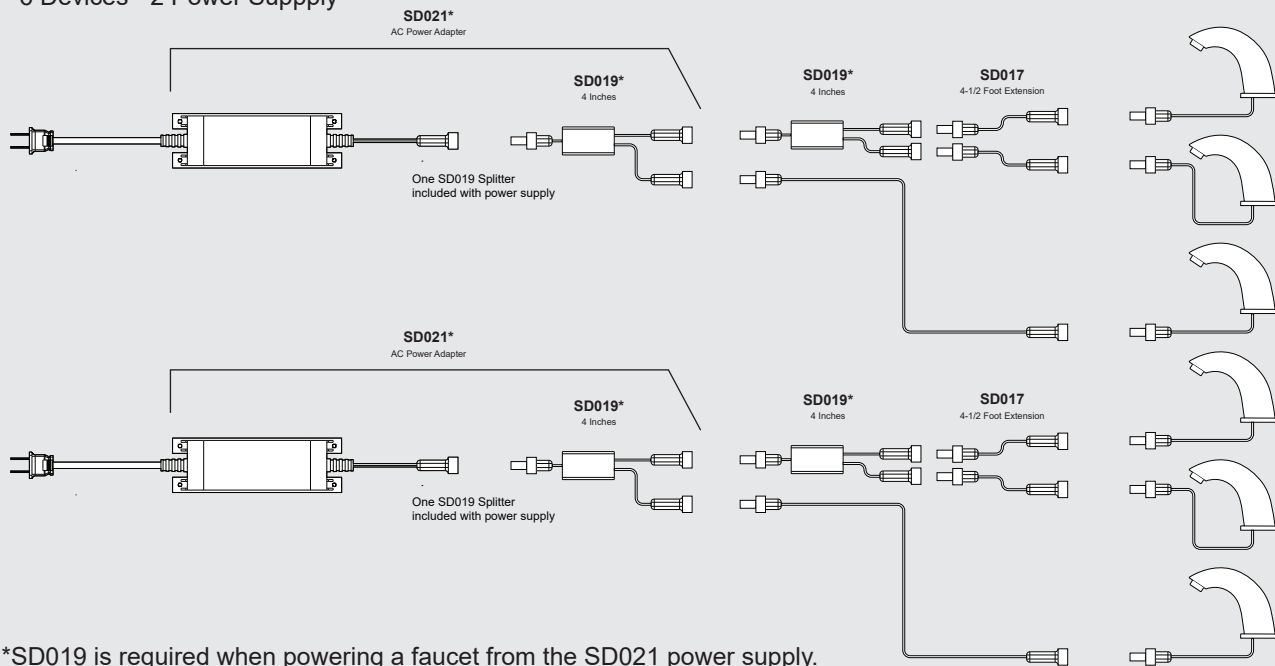


### 2 Devices - 1 Power Supply



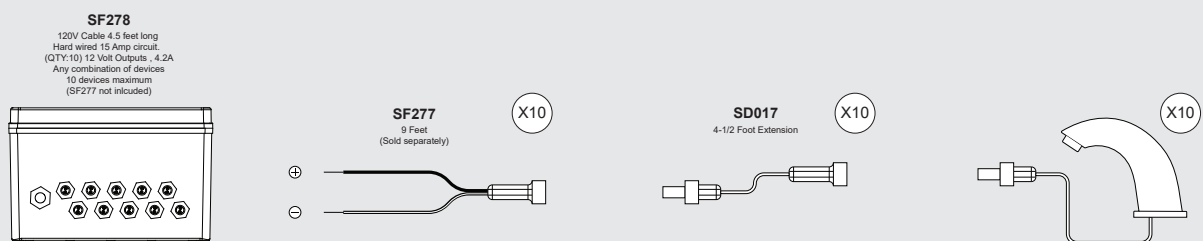
\*SD019 is required when powering a faucet from the SD021 power supply.

### 6 Devices - 2 Power Supply



\*SD019 is required when powering a faucet from the SD021 power supply.

### 10 Devices - 1 Power Supply



## Troubleshooting

PROBLEM	INDICATOR	CAUSE	SOLUTION
No water coming out of the faucet:	1. Sensor flashes continuously when user's hands are within the sensor's range	Low battery	Replace battery
	2. LED in the sensor does not flash once when user's hands are within the sensor's range	1. Range is too short	Increase the range by using the remote
		2. Range is too long	Decrease the range by using the remote
		3. Battery is completely used up	The battery must be replaced
		4. Unit is in "Security Mode"*	
		5. Sensor is picking up reflections from the washbasin or another object	Eliminate cause of reflection or adjust sensor range
	3. LED in the sensor flashes once when user's hands are within the sensor's range	1. Connectors between the electronic unit and solenoid are disconnecte	Connect the electronic unit connectors to the solenoid
		2. Debris or scale in solenoid	Unscrew solenoid, pull out the plunger and the spring from the solenoid and clean them. Use scale remover material if needed. When replacing the plunger, please make sure that the spring is in vertical position.
		3. The central orifice in the diaphragm is plugged or the diaphragm is torn	Clean the orifice or diaphragm
		4. The water supply pressure is higher than 116 PSI	Reduce the supply water pressure
		5. The water supply pressure is under 8 bars and yet the pressure in the faucet's body is higher. This situation could be caused by a sudden increase in the water supply pressure that the back check prevents from dropping, even after water supply pressure drops under 8 bars.	Shut off water supply stop and unscrew the inlet to the solenoid to relieve the pressure
Water flow from spout does not stop:	1. Sensor flashes once when user's hands are within the sensor's range	Debris or scale in diaphragm	Clean the orifice or replace diaphragm
	2. LED in the sensor does not flash once when user's hands are within the sensor's range	1. Sensor is dirty or covered**	Clean or eliminate case of interference
		2. Sensor is picking up reflections from the washbasin or another object	Decrease the range or eliminate cause of reflection
Water flow diminished		Filter or aerator is clogged	Remove, clean, re-install