Location:

SYMMONS[®] Evolution

EVOSTL Evolutions Temperature Sensor Module Installation Guide



Model Numbers		Feature Highlights		
EVOSTL	Evolutions Temperature Sensor & Module	 Temperature Sensor & Module Attached 3 foot cable and probe Operating Temperature Range: -30°C to 60°C Lithium ion battery enclosed 		
Compliance		Warranty		
 IC: 24889-WW08 FCC ID: 2ASQP-\ This device has bee UL 2043 and is safe handling spaces. 	8189 WW08189 n tested in accordance to to use in plenum and air	 Limited Lifetime - to the original end purchaser in consumer/residential installations. 10 Years - for commercial/industrial installations. Refer to www.symmons.com/warranty for complete warranty information. 		

Architectural/ Engineering Specification

Symmons Evolution EVOSTL Includes Temperature Sensor Module, X" attached cable and Probe. Operating Temperature Range: -30°C to 60°C with a Lithium ion battery enclosed. 10 Year Commercial Warranty. FCC rules compliant.

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Dimensions



Measurement					
Α	1-7/16″				
В	1-5/8″				
С	5″				
D	3-7/8″				
E	6-1/2″				
F	33" ± 1/2"				
G	4-5/16" ± 1/2"				

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Installation Training Checklist

Install Gateway

- **1.** Open the Box and Find a location to plug in the Gateway
- 2. Unpack, assemble, and plug Gateway to 120VAC Supply

Setup Custom on Evolution App

- **3.** Creates and Configure Customer Property
- 4. Creates Customer account and send Email Invitation
- 5. Customer Logs into water.symmons.com
- 6. Download the Evolution App for iOS or Android and Sign-In
- 7. Scan Gateway QR Code and Complete App Steps

Install Temperature Sensor

- 8. Plug a Temperature Probe into a Sensor Module and Turn ON
- 9. Install Temperature Sensor
- **10.** Scan Temperature Sensor Module and Complete App Steps

Install Pipe Clamp-On Flow Sensor

- **11.** Plug Clamp-on Keyence Sensor Probe into Sensor Module and plug power supply into a 120VAC outlet
- 12. Install Clamp-on Flow Sensor onto pipe
- **13.** Scan Sensor Module and Complete App Steps

Configure System

- 14. Setup Other Users
- 15. Configure Alerts
- **16.** Set Meeting for System follow-up (1-2 weeks from Training)

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Install - Gateway

1. Location

Find a central location for the Gateway. Location should be a secure area not enclosed in metal. Recommended locations include:



Mechanical Room



Admin. Office



Front Desk

1. Connect Gateway Hardware

A. Locate Gateway, Power
 Adapter, (1x) Thin Antenna,
 (2x) Wide Antennas







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Customer App Setup

- **1.** Create and Configure Customer Property
- 2. Create Customer account & send Email Invitation
- **3.** Customer Logs into water.symmons.com
- 4. Download the Evolution App for iOS or Android and Sign-In



Scan the Provided QR Code with your Smartphone or camera to download the evolution App.

5. Scan Gateway QR Code and Complete In-app Steps



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Installation - Temperature Sensor

1. Turn on Sensor

- A. Turn Module ON by pressing and holding the button for five (5) seconds
- B. Hold until light flashes

3. Install Temperature Sensor - Insulated Pipe

A. Locate where Sensor will be placed along 1 foot of insulated pipe. Confirm there is 6 inches of insulation on either side of the location.





B Using the provided coring device, core a hole into the insulation. Remove coring device and discard insulation.





C. Inspect newly cored hole for excess insulation. Verify ALL insulation has been removed and bare pipe is visible.



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Installation - Temperature Sensor (Cont'd)

D Locate Thermal Paste. Apply a drop of Thermal Paste the size of a sunflower seed to Sensor. DO NOT allow Thermal Paste to exceed the perimeter of Sensor.



E Place sensor against desired location. Verify Sensor Enclosure is aligned perpendicular to the pipe and tighten Zip Ties.

NOTE: During any installation, press and hold the device button for 5 seconds to turn on. After a few seconds, the device should respond with 4 green beeps. Refer to the back of the device for more information.

2A. Install Temperature Sensor - Insulated Pipe

A. Apply thermal paste and use the provided Insulation Ring to fit to pipe.





B. Verify sensor is perpendicular to pipe and tighten Zip Ties.

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Installation - Temperature Sensor App

3. Setup Sensor in App

A. Scan module QR code.



B. Follow In-App Steps

2.33 CHIBGA 4.5 CU158	2.33 CHIDDA 4.3 1/15/8	2.33 CHIDSA 4.3 1158	2.34 C H 1 2 2 4 K 3 - 2 1% F	2.34 C H 1 B B A K 2 1 J 158
< Add a Sensor	K Add a Sensor Next	K Add a Sensor Next	K Add a Sensor Next	< Add a Sensor Next
Verify the device information below	Sensor Type :	Sensor Type :	Sensor Type :	Sensor Type :
matches on the device.	Temperature	Temperature	Temperature	Temperature
Device ID 00.0b-57-00.00-5d-8c-27	Leak	Leak	Attachment Type :	Attachment Type :
Manufacturer Date 2019-05-20			Riser	Main
Signal Strength			(Purely (PURIO	(NAMA Survey)
Battery			Suppy (UHW)	Univ Supply
Temperature			(Return (DHWR)	DHW Return
Last Updated			Main	DCW
			Mechanical Room	Riser
Continue			Utilities	(Mechanical Room)
III O <	III O <	III O (III O K	III D K
234 47 10 1 10 10 10 10 10 10 10 10 10 10 10 1	234 4 H 1 B B A X 3 1/ 158	234 9 14 2 2 4 1 5 2 4 15 8	234 C H 1 B B A K 3 " // 1%8	2.35 4 14 1 19 4 4 3 7 4 15 8
Add a Sensor Next	< Add a Sensor Next	< Add a Sensor	< Add a Sensor	< Confirm Add Sensor
Sensor Type :	Sensor Type :	Pipe Material	Valve tag number	Device ID 00-0b-57-00-00-5d-8c-27
Temperature	Temperature	Copper Brass CPVC None	Enter valve tag number located on pipe	System Type Main
Attachment Type :	Attachment Type :	Pipe Size	Floor	System Type desc. DHW Supply
Mechanical Room	Utilities	1/2 3/4 1	Description:	Valve Tag #
TMV DCW Inlet	Kitchen Supply		Le. What room number is it near?	Floor
		2-1/2 3 4	Pair	
TMV DHW Inlet	Kitchen Return	5	Tap here to select a Pair >	Description
(TMV DHW Outlet	Laundry Supply			Pair
Storage Tank Inlet	Laundry Return			
Storage Tank Outlet	(Pool Air	Next	Next	Done
III O <	III O <	III O K	III O K	III 0 <

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Installation - Temperature Sensor App (Cont'd)

D. Complete In-App Steps with picture of location of installed module and surrounding area of the sensor .

