

T1 Kitchen

Electronic water valve

Versions

AC/DC	27EV010015	Interface
	27EV010012	Interface & WiFi
	27EV010019	Interface & Sensor
	27EV010021	Interface & Sensor & WiFi
AC	27EV010013	Interface
	27EV010016	Interface & WiFi
	27EV010017	Interface & Sensor
	27EV010020	Interface & Sensor & WiFi



Technical Specifications

General

Technology	Patent pending
Maximum load	≤ 25 W (Stand by ≤ 1W)
Rated impulse voltage	12 VDC
Hydraulic connections	G1/2, G3/8, John Guest ^{*(1)}
Weight	0,7 kg

Temperature

	Min	Max
Recommended input hot water range	48 °C	65 °C
Recommended input cold water range	5 °C	28 °C
Max. inlet temperature	65 °C ^{*(2)}	
Min. inlet temperature	> 0 °C	
Mixed range	Full cold - 44 °C ^{*(3)}	

Pressure

Max. dynamic	6 bar (0,6 Mpa)
Min. dynamic	1 bar (0,1 Mpa)
Recommended dynamic	3bar (0,3 Mpa)
Max. Different supply	4,5 bar (0,45 Mpa)
Burst	< 35 bar (3,5 Mpa)

Flow rate ^{*(4)}

	Min	Max
Mixed water	2 l/min	15 l/min
Full cold- Full hot water	2 l/min	15 l/min

^{*(1)}: On demand

^{*(2)}: Up to 80 °C, less than 20 minutes

^{*(3)}: Configurable up to Full Hot on OEM demand

^{*(4)}: 3 bar free flow, DN8

Description

The T1 electronic thermostatic mixing valve is engineered to connect with a digital interface, enabling precise control of water temperature and flow in kitchen faucets. With precise regulation of water temperature and flow. It has the option for battery backup, infrared sensor, wireless connectivity (Wi-Fi/Bluetooth), and customizable functions for extended capabilities.

Features

- Thermostatic control
- Flow static control
- Automatic start-up
- Eco flow
- User profile to set up temperature and flow can be configured.
- Special functions
 - Intelligent Glass and Pot fill functions
- Maintenance functions
 - Thermal disinfection
 - Impurity cleaning process
- Consumption parameters Reading
 - Hot and cold temperature (inlets) & mixed (outlet)
 - Hot and cold flow rate (inlets) & mixed (outlet)
 - Water volume (cold, hot, mixed)
 - Time of Use
 - Number of uses
- Maintenance alarms and error diagnosis
 - Cold and hot water leakage
 - Cold and hot water failure
 - Hot water temperature low
 - Cold water temperature high
 - Sensor malfunction
 - Maintenance function error

Certifications

Electric Standards

EMC	EN 55014-1, EN 55014-2
SAFETY:	EN 60335-1
RoHS:	IEC 63000

Hydraulic Standards

QB2806-2017
EN-817
EN-1111
ASME #112.18.1
ASSE #1016-T

Sanitary Standards (Ready for...)

ACS
KTW/W270
WRAS
NSF61

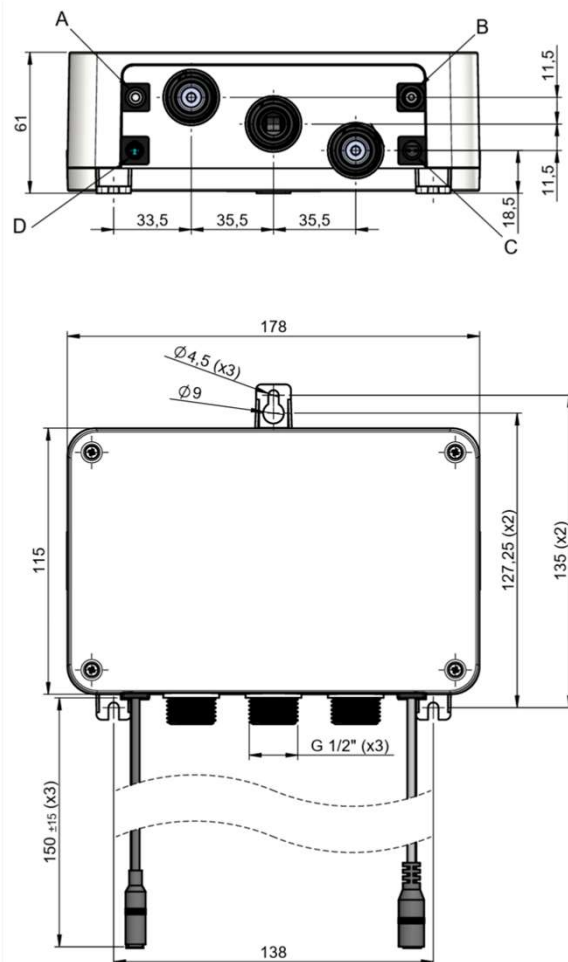
Installation Requirements

Installation of filter Mesh 80 in the hydraulic line.
Position, size and type of filter must be mounted upstream of the mixer and acc. to EN817/ASME 112.18.1M

Connectivity

RS485 Modbus RTU standard with open memory map registers to control the device.

Technical Dimensions



Jack 3,5 mm connector
Female, 4-pin
Cable to Interface



DETAIL A

Barrel 5,5x2,5 mm connector
Female, 2-pin
Cable to power supply



DETAIL B

DC connector
Male, 2-pin
Cable to batteries backup



DETAIL C

IP67 connector
Female, 4-pin
Cable to sensor



DETAIL D

More information: www.sedal.com