

SASWG-04-WIFI(TY)
SEA801-DF1

INSTRUCTION

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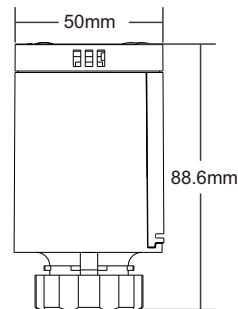
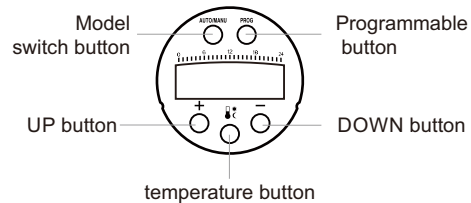
INSTRUCTION



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Controller Appearance



Controller button description

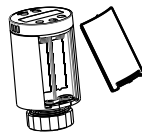
- ❶ Model switch button: switch work mode, automatic mode or manual mode, automatic mode is programming run.
- ❷ Programmable button: short press the button to enter the programming interface; press the button for more than 3 seconds to enter the time setting interface.
- ❸ UP button: adjust temperature or time.
- ❹ Temperature button: short press for power off; press for more than 3 seconds to query the ambient temperature; short press the button in programming setting interface for returning to the week selection interface.
- ❺ DOWN button: adjust temperature or time.

Controller specifications

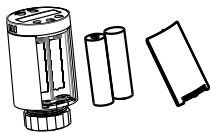
- **Power source:** 2 AA battery (Don't use the rechargeable battery)
- **Battery lifetime:** 1 year
- **Temperature setting range:** 5°C~30°C
- **Temperature setting accuracy:** 0.5°C
- **Temperature display range:** 0°C~50°C
- **Operation temperature range:** 0°C~50°C
- **Shipping & storage temperature:** -10°C~60°C
- **Frequency:** 2.400GHz
- **Wireless transmit range:** Open distance 70M (Inside room range 30M)

Controller Power Method

- 1 Open protection cover
- 2 After install battery then put protection cover



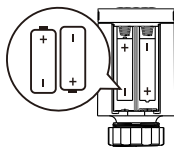
1



2

2AA battery

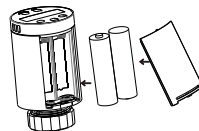
Attention



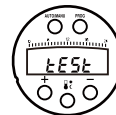
* Pls depend as picture "+" "-" to install battery

Controller Installation

- 1 Put battery in battery compartment



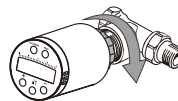
- 2 Display show [E5E] flashing



- 3 When push rod is flashing with base



- 4 Install controller with M30*1.5 screw thread Interface of valve. Tighten the copper ring.

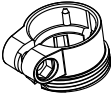


- 5 Press "+" button, display [rE5E] will flashing, controller will match valve stroker, if match successfully, will during initial setting.

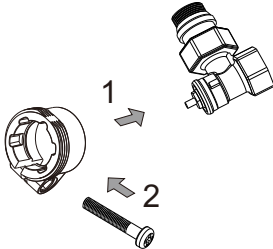
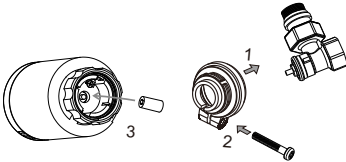


Adapter Selection

Pls confirm valve diameter

Danfoss		Caleffi	Giacomini
1/2 valve (RA)	3/4 valve + long plunger (RAV)	1/2 valve	1/2 valve + short plunger
			

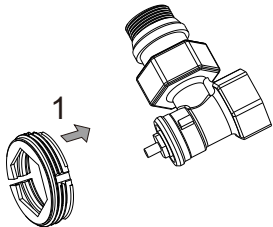
Adapter Installation

Danfoss	Please tighten the screws after fixing the valve connector
1/2 valve (RA)	3/4 valve (RAV)
	Danfoss 3/4 valve need install long plunger at the bottom of controller. Accessories, please put directly on the valve, forced to press the adapter and valves can be stuck. 

Caleffi

1/2 valve

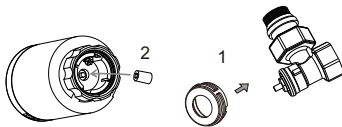
Adapter, please put directly on the valve, forced to press the accessories and valves can be stuck.



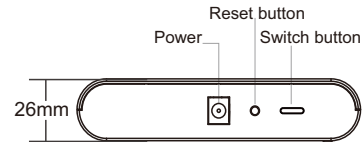
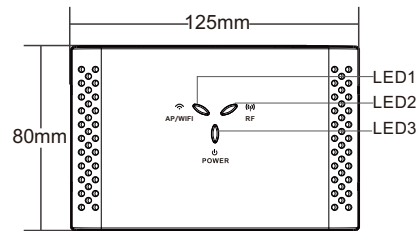
Giacomini

1/2 valve

Giacomini 1/2 valve need install short plunger at button of controller .
Accessories, please put directly on the valve, forced to press the adapter and valves can be stuck.



Gateway Appearance



Gateway indicator/button description

Indicator:

LED1:WIFI indicator :  
AP direct hot spot mode status: 
The green light flashing fast
WIFI status: The blue light keep bright 

LED2:RF indicator :  
Wirelesscommunication:The yellow light short flash 
Enter into match code mode:The yellowlight keep bright 
Match code successfully:The yellow light short flash 

LED3:Equipment status indicator :  
ON status:The green light keep bright 
OFF status:The red light keep bright 

Button description:

switch button:

long press 5s enter into RF match code mode.

Reset button: long press and then power on, waiting 5s enter into clean all data mode; in WIFI mode, long press 5s back to AP mode; in AP mode, long press 5s back to last router WIFI mode who networking successfully.

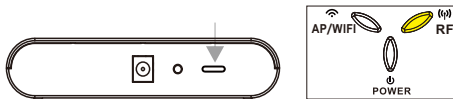
Gateway specifications

- **Power source** : Connect DC 5~12V 1A
- **IP Rating** : IP21
- **Operation temperature range** : 0℃~50℃
- **Shipping & storage temperature** : -10℃~60℃
- **Frequency** : 868MHz
- **Wireless transmit range** : Open distance 100M
- **WiFi Communication protocol** : TCP/IP, MQTT
- **WiFi frequency** : 2.412GHz-2.484GHz

Code Matching

① Gateway:

After the gateway is powered on, long press the switch button for 5S to enter the code matching mode and the yellow light is always bright. Long press switch button.



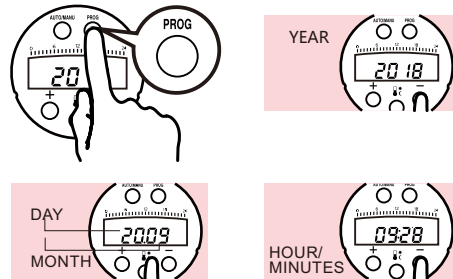
② Controller:

Long press "AUTO/MANU" and "+" until the screen shows "----", and then release the buttons, then the controller screen skips to the digital serial number.



Controller Default Setting

Long press "PROG" button to choose month/date/ year, press "+" "-" to set, when set finished will during controller display interface.

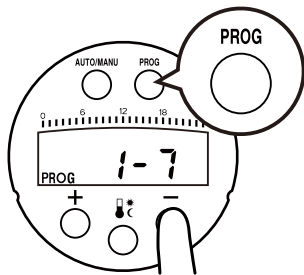


* Tips

- After each cell replacement, it is required to rematch the radiator valve stroke and carry out the initial setting and programming setting.
- If need to change year/month/date/hour/minutes, please long press "PROG" button for resetting.

Weekly Period Setting

Short press “PROG” button to enter the programming setting, press “+” “-” to select week, when finish set, press “PROG” button to switch setting items, and the start time setting.



Select weekly period

Unified Programmable (Show 1-7)

The programming settings from Monday to Sunday are the same.

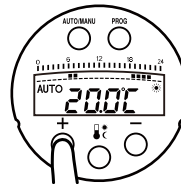
Independent Programmable for 7 days (Show number 1/2/3/4/5/6/7)

The programming settings from Monday to Sunday are different.

Temperature Setting

Press “+” or “-” to adjust the temperature, short press “PROG” and switch to the time setting in the next period of time.

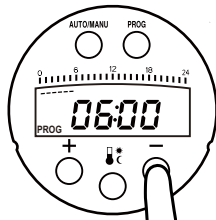
There are 4 periods each day by default (including time setting and temperature setting), it is required to complete the setting of time and temperature in 4 periods of time at a time.



* Tips

- Short press “**AUTO/MANU**” button for saving the settings.
- Don't operate and wait **10s** for canceling the settings.
- Short press “**⌵**” for returning to week selection.
- Long press the “+” “-” button for restoring the factory settings.

Time Setting



Press “+” “-” button to select the period of time, short press the “PROG” button to switch to the temperature setting in the period of time.

There are 4 periods each day by default (including time setting and temperature setting), it is required to complete the setting of time and temperature in 4 periods of time at a time.

period week	period 1	period 2	period 3	period 4
Monday	06:00 20.0°C	08:00 16.0°C	18:00 20.0°C	22:00 16.0°C
Tuesday				
Wednesday				
Thursday				
Friday				
Saturday				
Sunday				

Notice For Use



Press “-” button until the screen shows “OFF” for power off ; Press “+” for power on and adjust to the required temperature.
(short press the temperature button for one-key power off)



The valve will be closed when the window is opened and result in a decline over 6°C within 4 minutes in a room, and the screen shows “OPEN”; the function will be removed manually if there is a temperature increase with 3°C or more than 48 minute.



If radiator not open within two weeks or long time not open will let valve clogged as scale, radiator will not use normally. In order to let radiator use normally, controller will open valve running 30 seconds every two weeks, display will show “RdRP”, when run finished will recovery running condition.



In order to prevent controller setting modify by children, press AUTO/MANU+PROG longly to use Child lock function, display will show “b loc”, if need unlock, pls press AUTO /MANU+PROG longly again.



When in programming mode, if you want to change the current programming time temperature manually, press "+". Adjust the temperature you want to set, and the temperature will remain until the current programming time end of the period.



In the power off state, the screen shows "❄". Anti-freezing function: the valve will be opened when the temperature is below 5°C; when the temperature rises to 8°C, the valve will be closed.



In the normal operation range:
NTC short circuit, displaying: **Er1**
NTC open circuit, displaying: **Er2**



When the battery voltage is excessively low, display the alarm symbol , which prompts that the user shall replace cells.

Link APP-Login

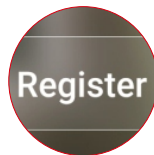
Download:

Click App store or Android application market to download "Tuya Smart" APP.

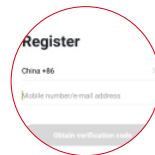


Registration and Login:

Click the "Register" to create account. Enter your account password to log in.



Register



Create account



Login

Link APP-Add devices

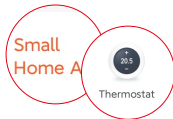
Add gateway:

Long press gateway "RESET" for 4s until the green light flash quickly.

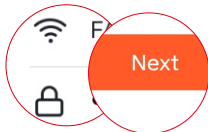
- 1 Enter the "HOME" interface of the app, Click the "+" in the upper right corner .



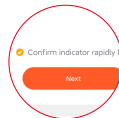
- 2 Click the list bar "Small Home Appliance" , Select "Thermostat" in the right device list.



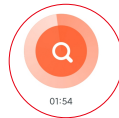
- 3 Enter your wifi name and password, then click "Next" .



- 4 Select "Confirm indicator rapidly blink" , Click "Next" .



- 5 Wait for few seconds.



- 6 Device added successfully, click "Done", then automatically jump to the sub-device adding interface.



* Tips

- Only 2.4GHz Wi-Fi networks are supported. please select a 2.4GHz network.

Add controller :

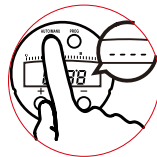
- 1 Click the “+Add subdevice” for enter the device list after the device is added successfully .



- 2 Click “LED already blink” on APP



- 3 For controller: long press “AUTO/MANU” and “+” button until the screen show “----”



- 4 Search device



- 5 Device added successfully , click “Done”.



* Tips

- Gateway must be added before adding controller .

Link APP-Controller

Temperature Setting

After the controller is added successfully, we can control the device through the APP.

Press $\wedge$ or $\vee$ increase or decrease of the temperature.

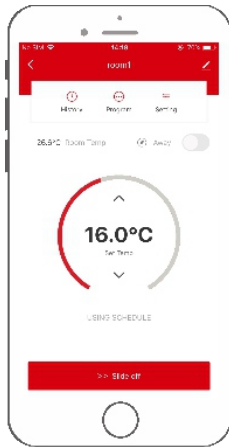
* Tips

Under the controller opening programming function:

Adjust the temperature on the current interface, which is effective only in the current period of time but recovers the original programming in the next period of time.

Under the controller canceling programming function:

Adjust the temperature on the current interface, and remain the current temperature all long.



Power On/Off Setting

Click ">> Slide off" and drag to the right to achieve "slipping for power off" or "slipping for power on".

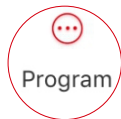


* Tips

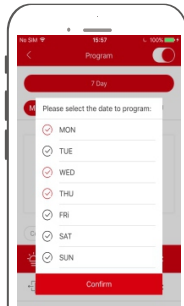
If you are away for a long time, no heating equipment is required at home and it is in the cold state, you can directly switch it off and our controller can automatically enter the "anti-freezing mode", which is started at the room temperature of less than 5°C and closed at the room temperature of over 8°C, so as to prevent the radiator from heating failure because of being frozen.

Programming Setting

- 1 Click the programming to enter the programming interface.

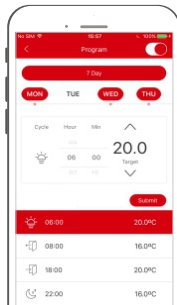


- 2 Enter the programming interface and then click the "7-day" key.

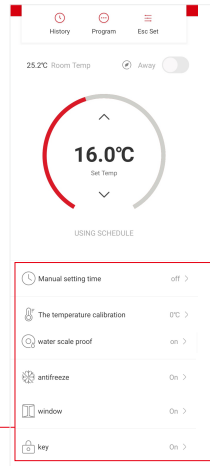
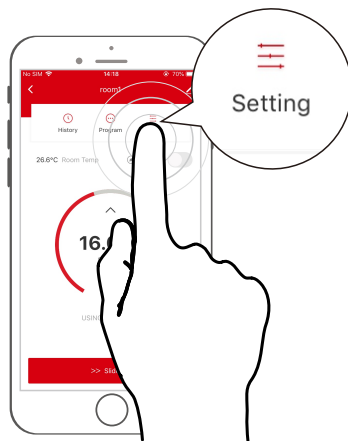


- 3 Click the date to be edited and conform it.

- 4 Selecting the period of time of 7-day programming, press "∧" or "∨" to set temperatures in the different periods of time.



Implicit Parameter Setting



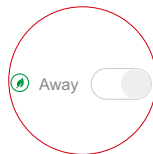
Implicit
parameter
setting

Temporary Stay-out Setting

- 1 If you need to stay out temporarily, please click Away key  .

The temperature can remain at 16°C, the energy-saving icon “” turns green and is on.

- 2 After you arrival at home, click “” key to recover the previous temperature setting.



Voice command:

After waking up the speaker, you can say:

Amazon Alexa

- * turn on bedroom.
- * turn off bedroom.
- * raise the bedroom by 1 degree.
- * drop the bedroom by 1 degree.
- * set the bedroom to 16 degrees.

Google Assistant

Tips: you need connect to the Google speaker

- * turn on bedroom.
- * turn off bedroom.
- * set the bedroom to 16 degrees.

* Tips: bedroom is the device name. You can name it by yourself.

* The temperature unit of thermostat and speaker must be the same.