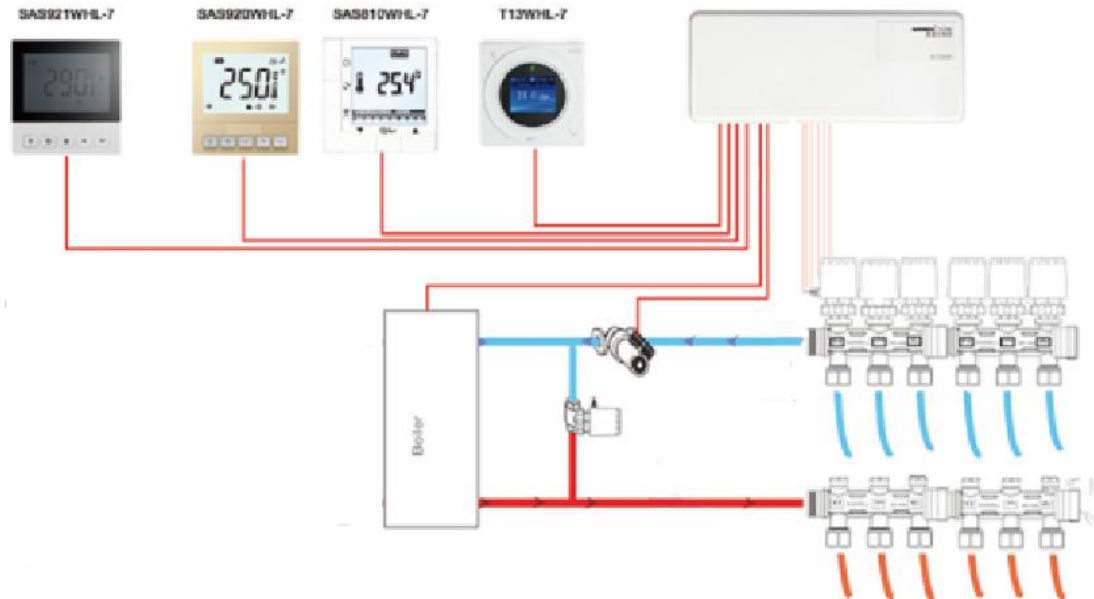


SCU209-LED WATERLINE HEATING SYSTEM

The waterline heating system SCU209-LED has been developed to provide a temperature , control system for room heating / cooling, integrating the switching of primary heating sources with the control of water temperature and mixing devices. This ensures the best possible comfort conditions and also reduces energy consumption.

SYSTEM INTRODUCTION



1. Sub control room thermostat
2. Water radiant boiler
3. Manifold with actuator
4. Control cernter SCU209-LED
5. Motorized ball valve

SPECIFICATION

Power source	100—240VAC	50/60Hz
I _{max} total.....	10A	
Operation temperature.....	-20℃ ~ 60℃	
Storage temperature.....	-20℃ ~ 70℃	
Dimensions.....	280mm X 110mm X40mm	
Color.....	White	

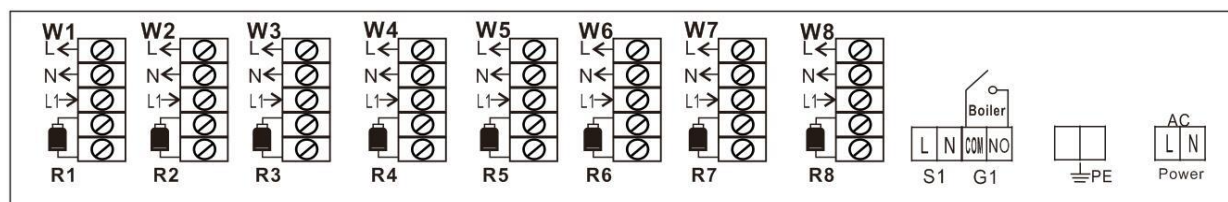
FEATURE

- Each master controller can control a maximum of 8 rooms / zones.
- The master contains outputs for the switching of thermal actuators, boilers,pumps, and mixing valves.
- Indicator lights show the status of the outputs.

IMPORTANT SAFETY INFORMATION

- Always turn off power at the main power source by unscrewing fuse or switching circuit breaker to the off position before installing, removing, cleaning, or servicing this thermostat.
- Read all of the information in this manual before installing this thermostat.
- Only a professional contractor should install this thermostat.
- All wiring must conform to local and national building and electrical codes and ordinances.
- If system is not operating properly, check wiring and replace fuse if necessary.
- Use this thermostat only as described in this manual.

KEYBOARD, AND SWITCH DESCRIPTION



Output indication:

1. WIRING:

- W1-W8: Room thermostat sub unit
- L: Line voltage N: Netural voltage
- L1: line voltage of load
- R1-R8 : Actuator sub unit
- S1: Hot water circulating pump 250VAC,8(5)A output
- G1: volt-free output for boiler (<8A),linkage control.
- PE: GND
- AC: Power supply 100-240VAC,50/60Hz

2. LED

-  Power indicator, when power input, the red indicator lit up.

-  :
When 1# to 8# rooms /zones control indicate output, the green indicator lit up.

-  Signal indicator:

When water radiant boiler and auxiliary circulating pump start work, the green indicator lit up.

INSTALLTION

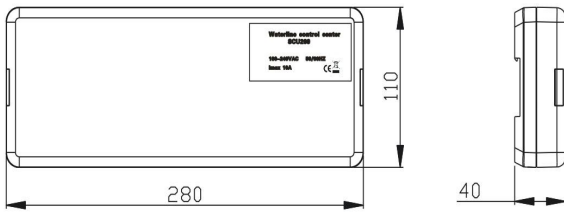


Fig.1 . Size
L.280mm X W.110mm X H.40mm

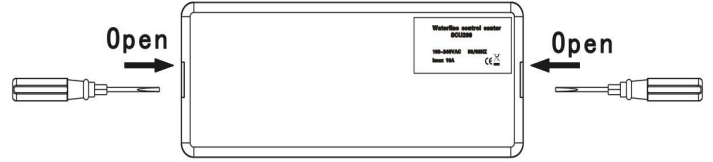


Fig.2 . Open

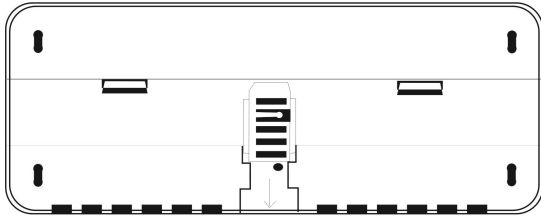


Fig.3. Wall mounting shelf

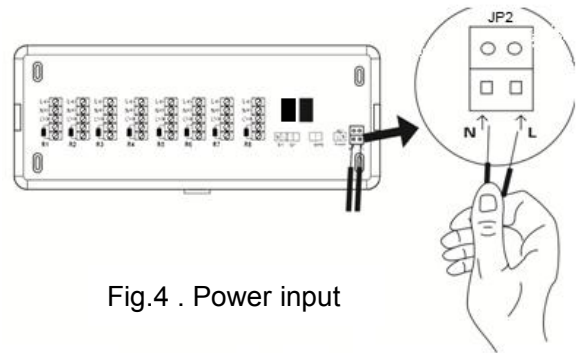


Fig.4 . Power input

