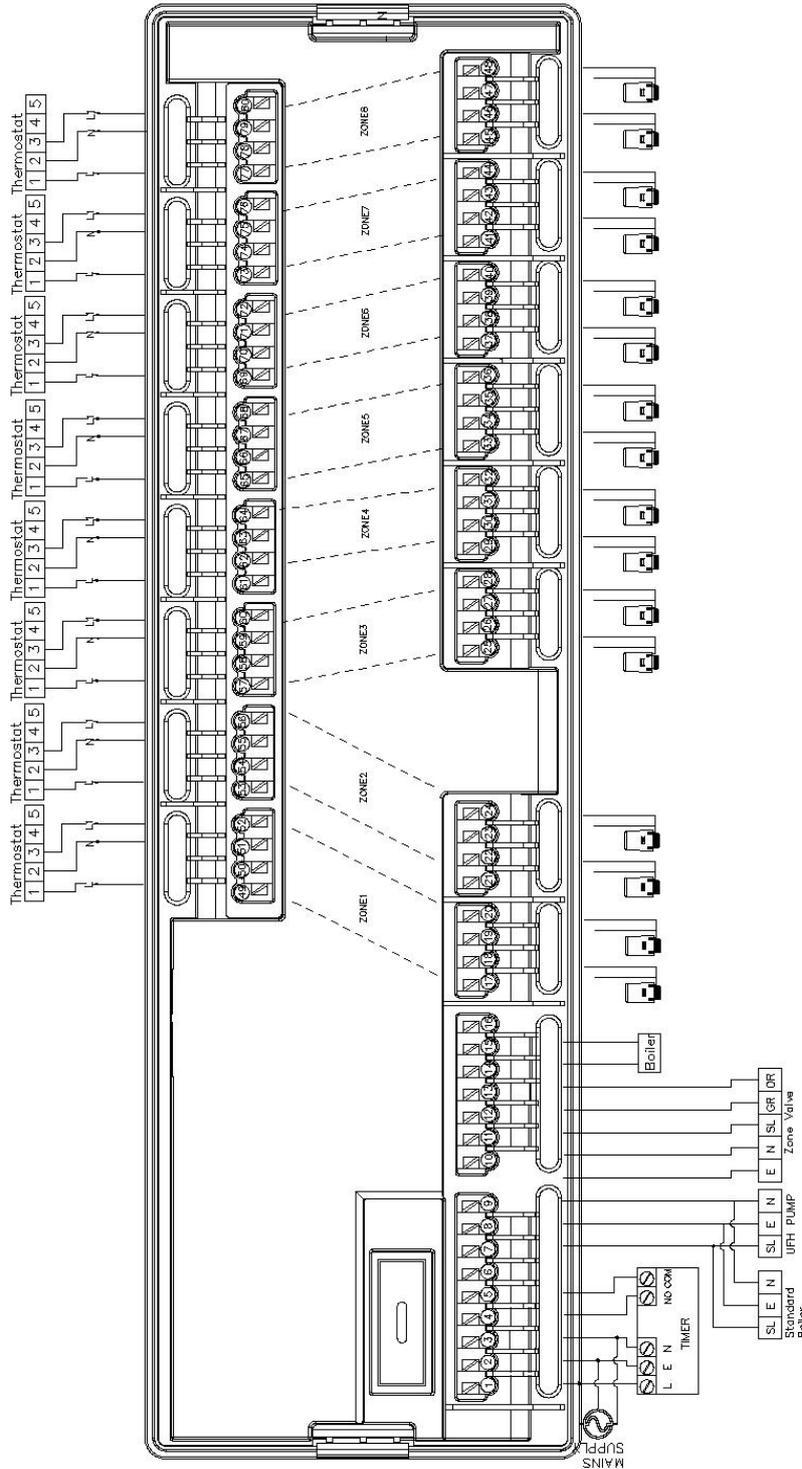


# HY520 WATERLINE HEATING SYSTEM

The HY520 is used to provide a temperature control system for room heating, 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



## SPECIFICATION

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Power source: 100~240VAC 50/60Hz

I<sub>max</sub> total: 5A

Operation temperature: -20°C~60°C

Storage temperature: -20°C~70°C

Dimensions: 320mm X 95mmX38mm

Color: White

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## FEATURE

- ◆ Each master controller can control a maximum of 8 rooms / zones.
- ◆ The master contains outputs for the switching of thermal actuators, boilers and 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:

MAINS SUPPLY: Power supply 100~240VAC 50/60Hz 10A

TIMER: Input I<sub>max</sub> 10A 250VAC

ZONE1-8: Room thermostat sub unit or Actuator sub unit

L: Line Voltage

N: Neutral Voltage

L1: Line Voltage or Load

PE: Power Earth

Valve: I<sub>max</sub> 3(2)A output

BOILER; passive output for boiler I<sub>max</sub> 2(1)A 250VAC OUTPUT

## 2. LED

- 1)  Power indicator when power input, the white indicator lit up.



2)

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

- 3)  BOILER Signal indicator:

When water radiant boiler start work, the green indicator lit up.

- ◆ When the 8 room channel lights of output stop all, any room channel light restart the output, boiler will be delay output 3 to 5 minutes.

## INSTALLTION

