

General

HTW-31-X8 Series Wireless Central Heating Controller can receive up to 8-loops control signal coming from 8 RF room thermostats and control 8 thermal actuator zone valves. Besides as a central control unit, it can control the boiler and the circulation pump as well.

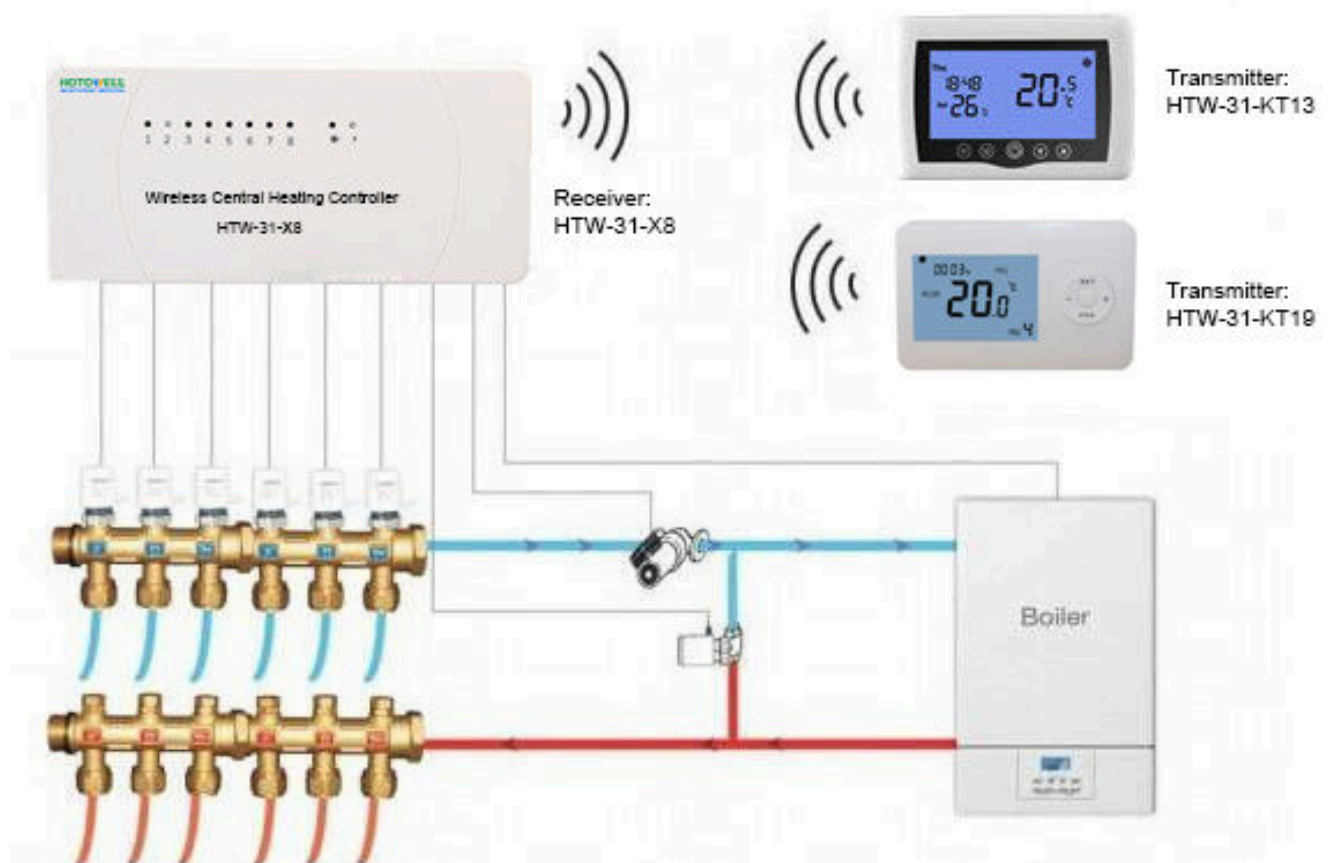
Functions

- Work with up to 8 room thermostats
- Work up to 8 thermal actuators
- 868Mhz Communication

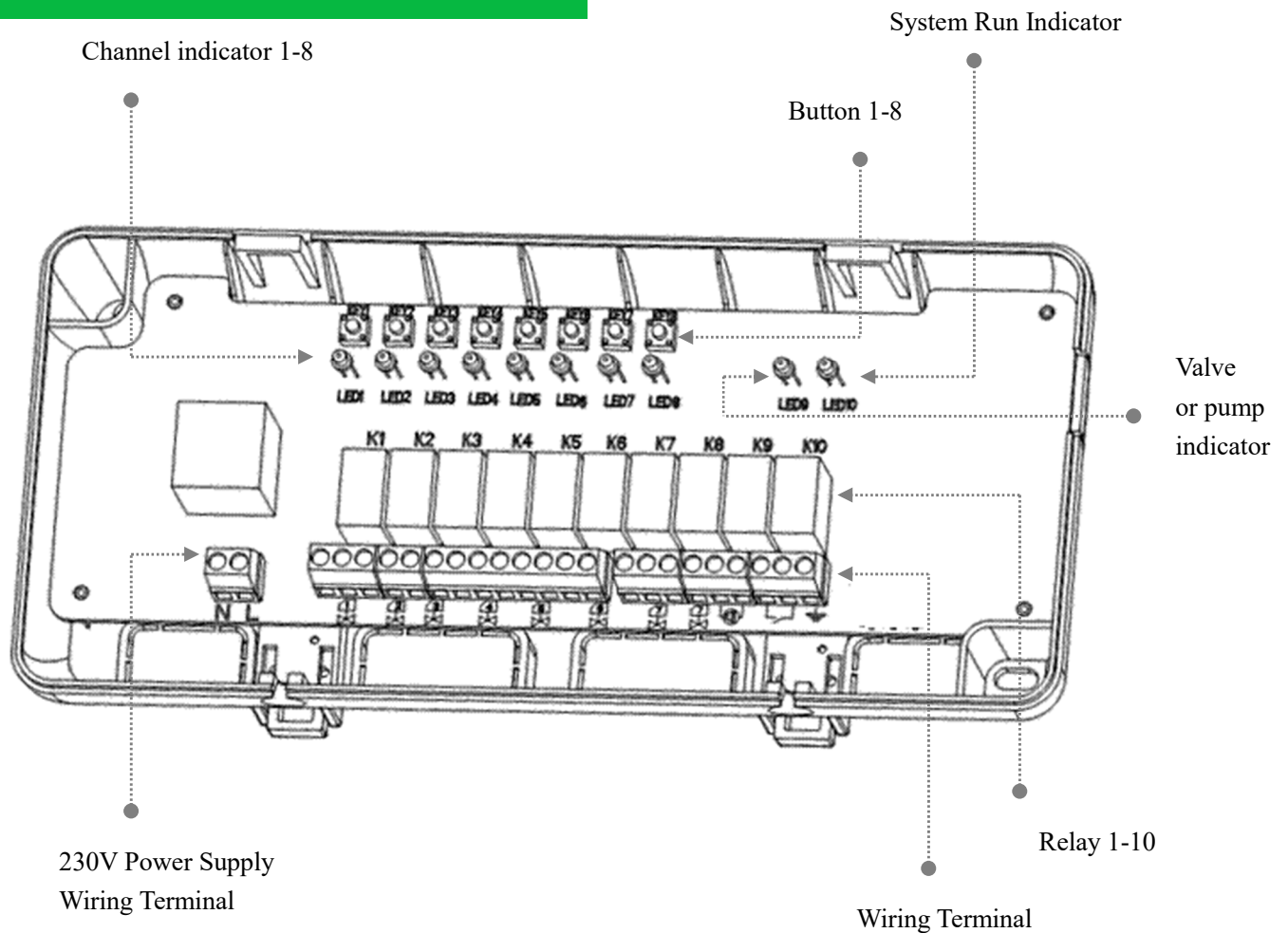
Technical Data

Power Supply:	230 VAC, 50/60 Hz
Heat Pump Output:	230Vac output
Boiler Output	Voltage-free output
Max. Current:	3A for each output
Frequency:	868 MHz
Dimensions:	Surface mounted, 240mm x 110mm x 38mm.
Certification:	CE/RoHS

Typical Application Wiring



Function Explanation



LED Explanation

- LED1~LED 8 represents K1~K8 relay output.
 - When K1-K8 relay receives control signal from transmitter, its corresponding LED will flash 1s. It means the signal has been received.
 - If K1-K8 relay don't receive any control signal from transmitter, K1-K8 relay will close. And the corresponding LED will flash one time per 10s.
- LED 9 stand for valve and pump, correspond relay K9-K10 .
When K9-K10 open, LED 9 on; When K9-K10 close, LED 9 off.
Note: The open and close of K9-K10 have 5 mins delay.
- LED 10 is power light.
- The corresponding terminal of K1-K8 for connecting actuator

Coordinated Control

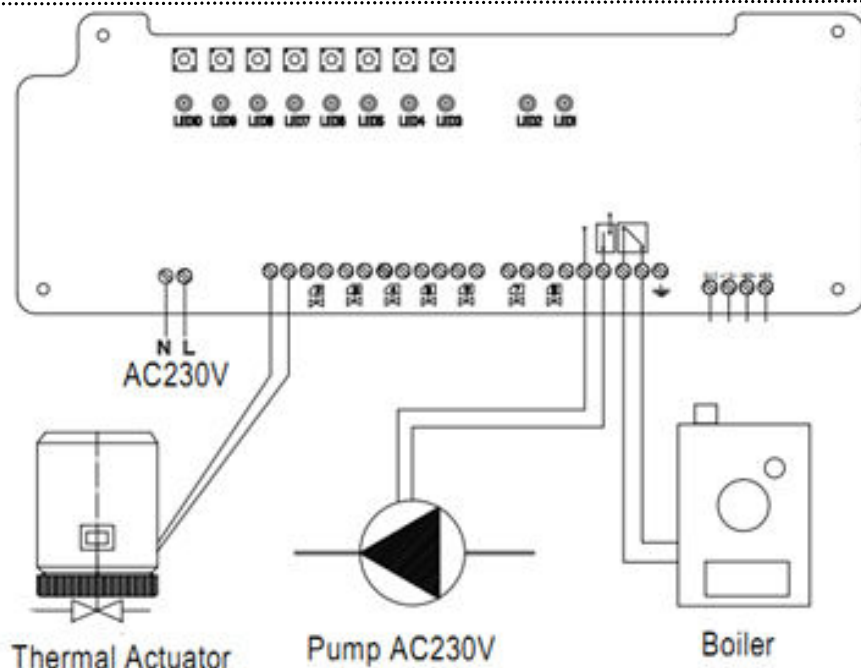
HTW-31-X8 has two coordinated output control interface.

- Boiler coordinated control is voltage-free output, only send on/off switch to boiler. And this switch with 5 mins delay.
- Heat Pump control is AC230V output, the max. output current is 3A, with 5mins delay.

Coordinated Control Relationship:

1. Any room needs heat, K1-K8 will open gradually, the water pump and the boiler start after 5mins delay.
2. When all rooms stop heating, K1-K8 close gradually, water pump and boiler stop working immediately.

Wiring Diagram



Size & Installation

