alfredsmart

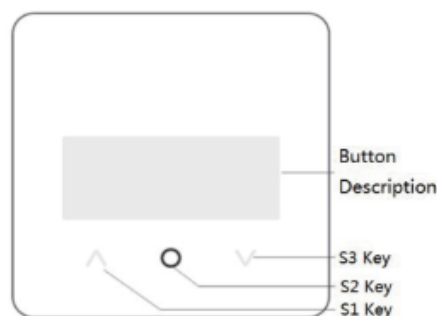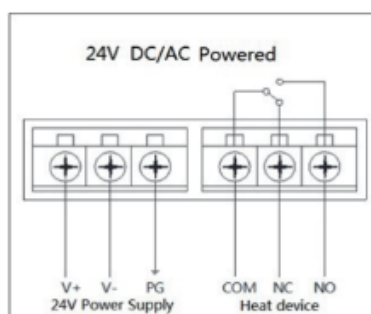**TERMOSTATO PARA CALEFACCIÓN AC/DC 24V**

MH3901-Z Thermostat

1. Introduction

MH3901-Z is a smart boiler thermostat, it can automatically detect the indoor temperature and display the relevant temperature value for boiler heating control. It also can automatically turn on/off the heating system according to the temperature difference. The device can be remotely controlled by Z-Wave network.

2. Technical Parameters

- **Power Supply:** AC/DC 9-24V
- **Capacitive:** 0.5A
- **Display:** White LED array
- **Temperature Setting Range:** 5-37ºC
- **Accuracy:** 0.1ºC
- **Outcase:** Tempered glass + PC alloy
- **Dimensions:** 104 × 104 × 20 mm
- **Installation:** 60.3mm hole pitch
- **Active Element:** Relay switch
- **Maximum Transmitting Power:** +3dBm
- **Z-Wave Frequency:** Operating frequency range, defined by the regulatory bodies (for Z-Wave in Europe: 868.0 - 868.6MHz, 869.7 - 870.0MHz)

3. Wiring Diagram & Display Functions

4. Functions

Power On/Off

- **Power ON:** Under OFF interface, long press S2 key to power it up, thermostat enter in normal working interface.
- **Power OFF:** Under normal working interface, long press S2 button to power it off, all output force OFF.

Temperature Setting

Under normal working interface, press S1 or S3 to modify the setting temperature, then press S2 as confirm or after 5 sec without any operation, it will back to normal working interface. The temperature setting range is 5-371C.

Z-Wave Paremeter Setting

Number	Function	Size	Description	Default	Possible Values
1	Automatic Temperature Value Reporting	1	**0:** OFF **1:** Only report the difference, the current temperature and the last temperature of a certain value to trigger the reporting **2:** Regular reporting only **3:** Difference reporting + Interval reporting	1	0-3
2	Temperature Difference Setting	2	Base on 0.1 C unit: n* 0.1 C = 0.5 C	5	3-995
3	Timed Report Intervals	2	Base on 1s unit, it suggest to be set above 30s	60	10-32767
5	Association 2 SET Command Retransmissi	1	**0:** Not resend **1-127:** Resend times	3	0-127

	on Times				
7	Secret Menu P07	1	**Heating period setting unit:** min, range: 10-120 **Default:** 20, step value: 1	20	10-120
8	Secret Menu P08	1	Heating time should be less than P07 value (unit: min, range: 10-120, default: 20, step value: 1)	3	10-120
255	Factory Reset	2	**17185:** Restore default complex parameters **39030:** Restore factory settings	0	17185,39030