

Temperature & Humidity Controller XH-M452



Features:

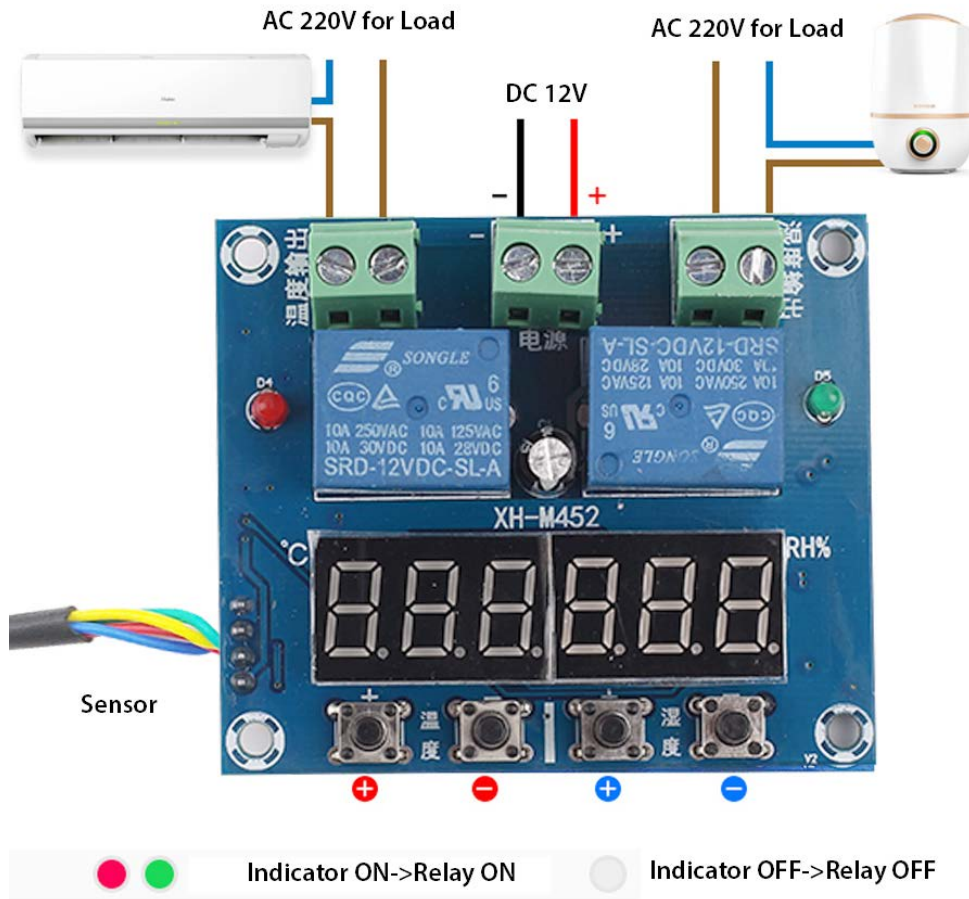
The XH-M452 is a 12VDC digital temperature and humidity controller equipped with dual 10A relay outputs for independent control of heating and humidifying devices. With a detection accuracy of 0.1°C and 0.1% RH, this module is ideal for applications requiring precise environmental regulation such as hatcheries, incubators, air conditioning systems, and equipment enclosures. The device allows simple parameter adjustments via onboard buttons and includes a clear LED display for monitoring current conditions.

Specifications	
Model	XH-M452
Input Voltage	DC 12V
Temperature Range	-20°C to 60°C
Humidity Range	0%–100% RH
Detection Accuracy	0.1°C / 0.1% RH
Sensor Length	100mm
Output Type	Relay Output (10A/250VAC or 10A/30VDC)
Dimensions	65 x 55 x 28 mm
Usage	Hatcheries, HVAC, refrigerators, freezers, water heaters, and control systems

Temperature Control:

Control	Type	Description
Set the Temperature (+)	Temperature Setting	Normal display mode, long press the (+) key for 3 seconds, start temperature value flashes, use + / - keys to adjust, auto returns after 5 seconds
Set the Temperature (-)	Temperature Setting	Normal display mode, long press the (-) key for 3 seconds, stop temperature value flashes, use + / - keys to adjust
Restore Factory Settings	System Reset	Long press both Temperature (+) and Humidity (+) keys for 3 seconds simultaneously, display shows 888,888 to confirm reset
Set Start Temperature	Temperature Control	Long press the (+) key until temperature value flashes, set start temperature using + / - keys
Set Stop Temperature	Temperature Control	Long press the (-) key until temperature value flashes, set stop temperature using + / - keys
Set Start Humidity	Humidity Control	Long press the (+) key until humidity value flashes, set start humidity using + / - keys
Set Stop Humidity	Humidity Control	Long press the (-) key until humidity value flashes, set stop humidity using + / - keys

Pinouts:



Dimensions:

