



Intelligent temperature controller, Energy-saving and practicality

microcomputer temperature controller (with timing switch)

《User manual of MH1210W》

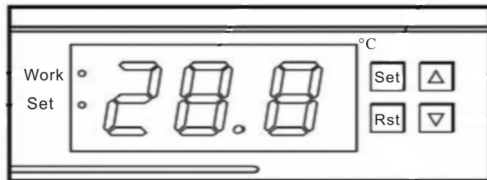
Thank you for choosing Shenzhen "MEIHANG TECHNOLOGY" microcomputer temperature controller. This product gather a wide range of modern heating and cooling technology, small size, big range of working voltage (AC90V~AC250±10% 50/60Hz) simple operation, accurate measurement and anti-interference ability, etc. It suits most users in different environments for automatic intelligent control system of many kinds of refrigeration, heating equipment. Refrigeration and heating mode could be set through the menu, The procedure has been set the power outage permanent memory function.

specifications :

- 1.working voltage:AC90V~AC250±10% 50/60Hz ; power consumption:≤3W ;
- 2.measurement range:-50℃~110℃ ; measurement error : ±0.3℃ ;
- 3.temperature control precision : 0.1℃ ; temperature resolution: 0.1℃ ;
slewing range of temperature : it could be adjusted in the range of 0. 1~30℃ ;
- 4.temperature sensor : NTC 25℃=10K B3435 ±1%(1 meter length,no positive or negative);
- 5.output load : normally open 10A/AC220V*1PCS ;
- 6.working environment : temperature : - 20℃~70℃ ;
humidity : 90%RH none moisture condensation ;
- 7.dimension of whole unite:75(W)X34.5(H)X85(W)mm ;
- 8.trepanning dimension:71(W)X29(H) ;

Code	code instruction	explain	unit
HC	Heat/ refrigeration	Accords to thermostat	H=heat; C=refrigeration
d	slewing range of tem	Different tem. Between on/off state	2/℃
LS	Set low limit	Lowest could be set	-50/℃
HS	Set high limit	Highest could be set	110/℃
CA	Tem. correction	-10~10	℃
AT	Timing stop output	Default: off	minute

sketch figure :



Note:

Back to default setting:press the "Rst" button for 6s and display blinks, all parameters back to default setting;
Parameter lock: press "▽" for 3s and blink, display "OFF", means the parameter were locked by the user, this method is the same when display "ON" means the parameter were unlocked by the user. (after parameter locking, user could check but not change, the function of temperature adjust is valid)

Fault tips:

When the sensor short circuit or detect the environment temperature is higher than the upper temperature limit of 110 degrees, delink and display HHH and stop the output load; When the sensor works normal and detect the environment temperature is lower than floor temperature limit of -50 degrees, blink and display LLL and stop the output load.

Operation instruction :

Rst, on-off button, press it 3s to switch off, press it 3s to switch on. When it were in setting situation, quit the setting situation by pressing it.
Work: output indicator(heating or refrigeration)
set: setting indicator

Press "set" button for 3s get into the procedure menu code mode, display the code "HC".Press "△" or "▽" for cyclical selection of parameter code of "HC-d-LS-HS-CA-AT". To enter a code, press the "Set" button, press the "△" button or the "▽" button to change to the desired data and press "Set" to save and exit; Control the temperature set: press "Set" button, press "△" or "▽" to change the data and save automatically.(press on "△" or "▽" for 2s or more to increase the adjusting speed)

Note matters:

1. To prevent high-frequency interference, do not install the sensor line bundled with the power line and loaded equipment line, but should be separated wiring;
2. Supply voltage must be consistent with the rated voltage and the deviation is less than ±10%. Strict distinction between sensor installation, power line and

Loaded output interface;

3. The temperature control host machine cannot be installed in the place where is dripping water, or the elderly, children could be touched;
4. The wiring should be checked whether the line is correct, to avoid accidentally burn of temperature control host machine and loaded equipment, installed applications supporting protection back cover obscured;

Installation wiring diagram:

Make sure to install the loaded equipment's voltage is identify with temperature control host machine's voltage; otherwise the wire connection cannot according to this figure

heating control: when the temperature control mode (code is HC) was H, e.g. the setting control temperature is 40℃, slewing range of temperature is 2℃, when the environment temperature ≥ setting temperature 40℃, the relay will switch off and stop the output load; when the environment temperature ≤ setting temperature 38℃ (40-2=38) the reply will switch on and output load again.

refrigeration control: when the temperature control mode (code is HC) was C, e.g. the setting control temperature is 40℃, slewing range of temperature is 2℃, when the environment temperature ≤40℃ the relay will switch on and start output load.

