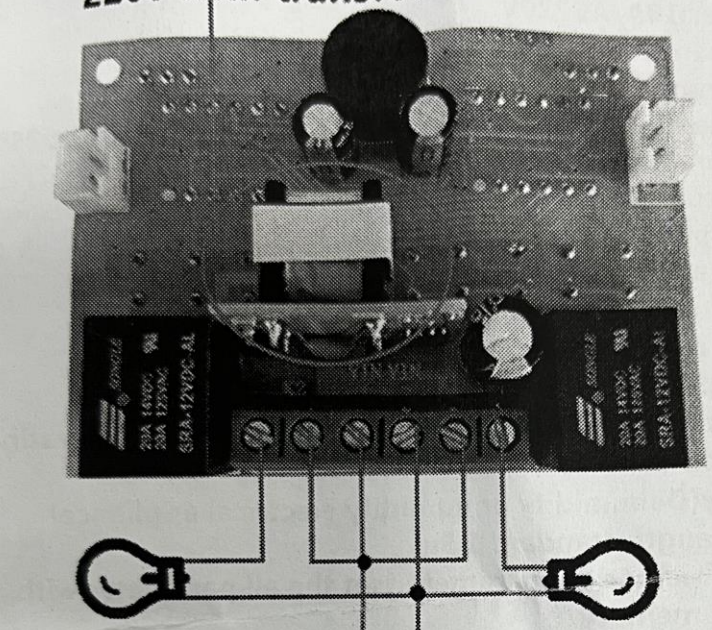
Wiring diagram

220v with transformer



Load

Power supply

110V-220V Power Supply load

Noted:12v/24v/220v mode of connection are same.12v wire connection need to make clear about negative and positive anodes.

Caution:

*Please connect to the correct working voltage,machine will operate regular under the standard input voltage ±10% range.

*Connect to power of load should not exceed max control power of temperature controller,it work with AC contactor if exceed.

*Please connect to the correct power,load,sensor,temperature controller will breakdown if connect wrong wire.

*Please do not connect wire of sensor and power in parallel,the random waves of power will effect veracity of measurement.

ZFX-W1013(ZFX-3022)Humidity intelligent controller manual instruction

Product name:Integrated temperature and humidity controller
Control range:1%RH-99%RH
Load power:10A/AC220V
Measurement range:-20℃~80℃
Humidity range:1%RH-99%RH
Measurement error:±3%RH(environment temperature at 25℃)
Temperature precision:1℃ Humidity precision : 1%RH
Display accuracy:1%RH
Power Supply:DC12V/24V/110-220V(Choose)
Output type:10A relay output probe type
Temperature: NTC precision ±1℃
Humidity : resistance type sensor precision ±3℃
Dimension:90*60*26.5mm(L*W*H)
Temperature control object:one channel temperature(heating and refrigeration ventilator)
Or humidity(Dehumidify or humidify electrical appliance)
Probe line length:standard 1.5m
Permanent memory of parameter:set the all parameter with permanent memory
Power failure at the operation time:run after the power supply.
Working environment: temperature 0-55℃ humidity90%RH without condensation Menu code description:

Code	Code description	Setting range	Factory	Unit
HC	Humidification/ dehumidification	H/C	C	Without
D	Humidity return difference	1-30	5	%RH
LS	Humidity lower limit	1	5	%RH
HS	Humidity limit	99	95	%RH
CA	Humidity correction	-10-10	0	%RH
PT	Delay start	0-10	1	Minutes
LS	AL-L	-20		℃
HS	AL-H	80		℃
CA	Temperature correction	-10-10		℃
PT	Delay start	0-10		Minute

Humidity control setting:Press Set keyboard one time,press three second enter into setting menu after humidity display flashing,it will display code HC.Press "▲ "keyboard or "▼" keyboard can cyclical selection HC-CP-PU-CA-HP parameter code.Please press Set keyboard if you need enter into a code,press "▲ "keyboard or "▼" keyboard to modify the required numerical for five seconds then return automatically.

Press "SET" keyboard twice enter into setting menu after temperature display flashing,and display code HC,press "▲ "keyboard or "▼" keyboard can cyclical selection HC-CP-PU-CA-HP parameter code ,please press "SET " keyboard if you need enter into one code , press "▲ "keyboard or "▼" keyboard to modify the required numerical for five seconds then return automatically.

Dehumidification control: The way of mode control (code HC) it will be dehumidification control when setting as C.For example,set the humidity control value as 50% RH and humidity difference as 5% ,relay start output,When environment humidity value ≤setting humidity value (50%RH),relay close output.

Damping control:The way of humidity control (code HC) ,set H as damping mode,for example,set the humidity control value as 50%RH and humidity difference as 5%RH. When temperature humidity value ≤setting value(50%RH)-difference/(5%RH) ,relay start output.when temperature humidity ≥setting value(50%RH),relay stop output.

HC:mode selection,H means humidifying mode,C means dehumidificatio mode.

D:return difference, start the humidify when in the humidifying mode =displaying humidity-return difference.start the humidify when in dehumidification mode=displaying humidity + return difference.

PU:Delay to start.when relay stop output and start timing.the interval time of next boot must greater than delay start time to avoid start frequently.

HP:Humidity upper limit alarm:when humidity exceed upper limit alarm,digital tube displaying "-H-" ,humidity lower than alarm setting value it will return back from alarm automatically.

LS;Humidity lower limit alarm : When humidity exceed lower limit, digital tube display" -L-" ,humidity higher than alarm setting value it will return back from alarm automatically.

CA : Humidity correction:Humidity correction value plus displaying value.For example:humidity display 50% RH correction humidity increase 5% RH,then display humidity will be 55%RH.

Heating mode:Mode control way (code HC) set as H ,it is heating mode.For example,set control heating value as 35℃ , temperature return difference is 2°.when environment humidity value ≥setting temperature value(35℃) -return difference(2 ℃) ,relay start output. when humidity value≤setting humidity value (35℃) ,relay close output.

Cooling control:The way of mode control ,set (HC code) as C ,it is cooling mode.For example,set cooling as 35 ℃ and temperature return difference as 2 ℃.When environment value ≥ setting temperature value (35℃) +return difference (2℃) , relay start output : when environment humidity value≤setting humidity value(35 ℃) , relay stop output。

HC : Mode selection,C means cooling mode,H means heating mode.

D:return difference,start temperature when in heating mode= displaying temperature" -return difference.Start temperature when in cooling mode=displaying temperature+return difference.

PU:Delay to start,When relay stop output and start timing,the interval of time must greater than delay start time to avoid start frequently.

HP:temperature upper limit alarm:when temperature exceed upper limit alarm,digital tube display" HHH" ,temperature lower than alarm setting it will return back from alarm automatically.

LS:temperature lower limit alarm:when temperature exceed than lower limit alarm,digital tube display "LLL" ,temperature higher than alarm setting it will return back from alarm automatically.

CA temperature correction:Humidity correction value plus display humidity value,for example:humidity displaying 35℃ , correction humidity increase 5℃,then temperature should be 35℃.

Reset:Press left up and down keyboard until screen displaying 888,then it will coma back to factory reset.