## **Technical Specification**

Control area:-50~110℃	Input power: DC 12V
Resolution ratio: 1 $^\circ \! \mathbb{C}$	Measurement of the input: NTC (10K 0.5%)
Temperature measurement accuracy: $0.1^\circ\!\!\mathbb{C}$	Output range: 10A
Control precision:0.1 $^\circ \!$	Environmental requirement:-10~60 $^\circ C$ (20~85%)
Back to the poor accuracy: $0.1^\circ C$	Size:48*40mm
Refresh rate:0.5 S	The engine power: quiescent current≤35MA attracting current≤ 65MA
High temperature protection: $0^{-110}^{\circ}$	Display type:0.28

Method of application:

Connect the power supply and load, it can be as the controller of power supply. Above red color is measuring temperature, below blue color (may also red color) is required set temperature , then press STC (+) C/F (-) to set up temperature which you need, holding and waiting 3 seconds until this set up complete. Then, controller works automatically, the temperature controller output for 10 a relay, meet all kinds of high power load, please ensure that the circuit and wires are correct.

## Indicator light, digital tube status description:

Indicator light: off means the relay is disconnected, and on means the relay is closed

Digital tube: Showing LL means open for sensor. Showing HH means disconnect the relay forcibly when out of temperature measuring range. Showing - - - means high temperature protection.

## Parameter function description:

Long time pressing SET for 5 seconds to enter the main menu. Press STC(+) C/F (-) to switch from p0 to p8.

When adjusting p0-p8 parameters, if need to adjust P0, press STC(+) C/F (-) at the same time , when P0 parameter flashes, press STC(+) or C/F (-) to adjust, once it is OK, then press STC(+) C/F (-) at the same time once again for completing. Same process if needs to adjust p1 to p8.

## Mode conversion function

Press C/F button one time to display F mode, press C/F again to display C mode, ex-factory original is C mode, (note: If customer meets temperature big error when using, , it may be in F mode)

Code	Code instructions	SET RANGE	EX-FACTORY ORIGINAL SET
P0	cooling/heating	C/H	С
P1	Return difference set	0.1-15	2
P2	Maximum setting limit	110	110
P3	Minimum setting limit	-50	-50
P4	temperature correction	-7.0-7.0	0
P5	Delayed start time	0-10 minutes	0
P6	high temperature warning	0-110	OFF