Product specifications

342178

Wall Designheat 2000

KPT-2000C 0505L

1. General specifications

0/1000/2000 watt

220-240 Volt / 50 Hz.

PTC heating element

Class II

With thermostat 10 - 49 °C

Included remote control with battery

LCD display, blue color display

Wifi

Including after cooling and modulation system

30 minutes aftercooling system , (on thermostat and power off by remote control or APP)   30 Minutes after cooling time   Will change.

2. Certifications specifications

CE/EMC/LVD/ROHSII/GS/REACH approved

Products must be according to CE/GS approval, compliance with CDF

Low Voltage Directive 2014/35/EU

Standards:

EN 60335-2-30:2009+A11:2012

EN 60335-1: 2012+A11:2014

EN 62233:2008

EMC Directive 2014/30/EU

Standards:

EN 55014-1:2006+A1: 2009+A2:2011

EN 55014-2: 1997+A1: 2001+A2: 2008 or EN 55014-2:2015

EN 61000-3-2; 2014

EN 61000-3-3: 2013

GS approval including PAH approval

RoHS Directive 2011/65/EU

Regulation REACH EC No. 1907/2006 (including annex XVII, coming in to force 27/12/2015)

According Regulation (EC) No. 1907/2006 REACH on December 27,2015 change of Annex XVII , products are not allowed

to be put on the European Market for consumers, if their plastic or rubber components – which under regular or

reasonably foreseeable use come into direct contact with human skin or the oral cavity for a longer period of time

or repeatedly for a shorter period of time– contain more than 1 mg/kg (0.0001 percent by weight of the part considered)

of one of the following PAH:

Benzo[a]pyrene, Benzo[e]pyrene, Benzo[a]anthracene, Chrysen, Benzo[b]fluoranthene,

Benzo[j]fluoranthene, Benzo[k]fluoranthene and Dibenzo[a,h]anthracene

The following components are affected and need to be checked and approved :

- Cable, cords and plugs

- Components wich are functionally touchable by the end-user. Like for example knobs, buttons and hand-grips

RED (Radio Equipment Directive) 2014/53/EU

Standards:

EN 300 328 V1.9.1:2015 ?

EN 301 489-1 V 1.9.2:2011 ?

EN 301 489-17 V2.2.1:2012 ?

EN 62479 :2010 ?

EN 60335-1 :2012+A11 ?

EN 60335-2-30 :2009+A1 1 ?

EN 60065:2014 ?

EN 55014-1:2006+A1+A2 ?

EN 55014-2:2015 ?

EN 55032:2015 ?

EN 55020:2007+A11 ?

EN 61000-3-2 :2014 ?

EN 61000-3-3 :2013 ?

Batteries according Directive 2006/66/EC

3. ERP specifications

According directive ERP-2009/125/EC

4. Protection against acces to live parts specifications

Protection against access to live parts according EN 60335-1:2012 (8.1.1)

Testprobe B and probe 18 of EN 61032 are applied with a force not exceeding 1 N. the appliance being in every position. Through openings,

the test probe is applied to any depth that the probe will permit and is rotated or angled before, during and after insertion in any position.

If the opening does not allow the entry of the probe, the force on the probe in straight position is increased to 20 N when probe B is used or 10 N

when probe 18 is used.

If the probe then enters the opening, the test is repeated with the probe in angled position. However when using test

probe 18 the appliance shall be fully assembled as in normal use without any parts removed.;

parts that are intented te be removed for user maintenance shall not be removed

It shall not be possible to touch live parts or live parts protected only by lacquer, enamel, ordinary paper, cotton, oxide film, beads or sealing compound except self-hardening

resisns, with the probe.

Protection against access to live parts according EN 60335-1:2012 (8.1.2)

Use of testprobe 13 of IEC 61032, with a force not exceeding 1 N, through openings in class 0 appliances and class II appliances/constructions: no contact with live parts

Class 0 = no protective earth connection

Class II = double isolated

Test probe 13 also applied through openings in earthed metal enclosures having a non-conductive coating: no contact with live parts

Protection against access to live parts according EN 60335-1:2012 (8.1.3)

For appliances other then class II, use of test probe 41 of IEC 61032, with a force not exceeding 1 N. no contact with live parts of visible glowing heating elements

Protection against access to live parts according EN 60335-2-30: 2009/A11:2012 .Z101) - Special requirement for heaters

Stationary appliances part or all of the body of which are positioned at a height below 850 mm. from the floor and portable appliances that can be used

on the floor shall not have accessible openings with a minor dimension exceeding 5,5 mm.

This requirement does not apply to :

a. openings that have a bigger dimension where live parts or moving parts are positioned beyond an arc of 30 mm centred on a perpendicular point 14 mm behing the face of the opening

b. openings below 100 mm from the floor if they are not directly visible in normal use unless the appliance generates glow or a continous noise to attract attention

c. on the rear/back surface that is parallel to the wall of appliances which, according to the instructions, shall be placed against the wall or have a wall clearance of less than 30 mm when wall-mounted

5. Protection against moving parts specifications:

Protection against moving parts EN 60335-1 : 2012 (20.2)

a test probe that is similar to test probe B of EN61032 but having a circular stop face with a diameter of 50 mm, instead of the non circular face, applied with a force of 5 N with the accessories and detachable covers removed

and test probe 18 of EN 61032, applied with a force of 2,5 N on the appliance in fully assempbes situation

It shall not be possible to touch dangerous moving parts with this test probe

6. Components specifications

Working on Tuya smart app, including week timer in Tuya app

With local timer function. So timer settings are stored in device and not in cloud

Batch 0414, it was not possible to make Wi-Fi connection in rapidly blinking mode. Only in AP mode slowly blinking the Wi-Fi connection can be made.

For new order also Wi-Fi connection in rapidly blinking mode needs to be possible. Will do first choice with fast blinking.

Make possible to get Wi-Fi connection in fast blinking mode Will change

Batch 414, to change from rapidly blinking to slow blinking the Wi-Fi button on the heater needs to be pushed. But this does not work correctly.

Only when the heater is blowing then it is possible to change from rapidly blinking to slowly blinking with the Wi-Fi button.

For new order W-Fi button also needs to work when heater is not blowing.Is asking Tuya changing.

Make possible to change from fast blinking – to slow blinking mode without heater working Will change.

The mode function in app is : off, 50%, 100%.

But heater is normally choosing automatically heating power:

0 - 3 degree difference is 50% heating power

3 or more degrees difference is 100% heating power   Is asking Tuya to change with 2 modes. One is mechanical and one is automatical.

Change choose possibilities for "mode" in APP to : mechanical (50% and 100%) and automatically Will change.

```
Roy 11:37:59
 · becasue same engineer write the program for these items
 · checked with enginner,he told when the environment temperature change more than 2 degree it will send signal to APP
Gert 11:38:46
 · good
 · this system also can do for Aoch?
Roy 11:39:26
    yes
Gert 11:39:46
    👍
```
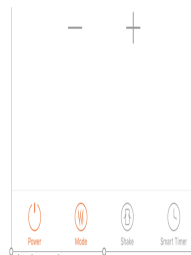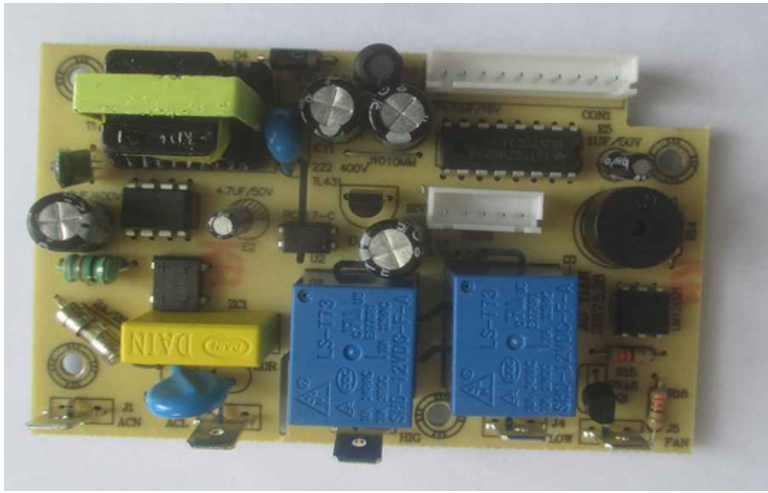
Change PCB , when 2 or more degree difference PCB will send signal to APP Will change.

App without Countdown timer and with swing function and heatpositions

Power   Mode   Shake   Smart Timer

It is only smart timer

Roy 11:03:38

No countdown timer

Because at first we ask Aoch to cancel timer and chieveb

Achieve it from App

But we think Smart timer already included the count down timer function.

René - Eurom 11:04:50

ok

Roy 11:04:51

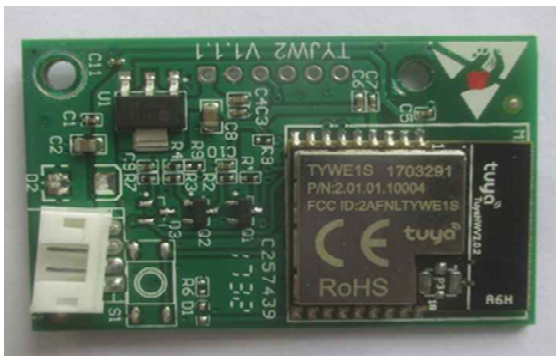So for this model if we do only Smart timer but no countdown timer is ok?

PCB including fuse

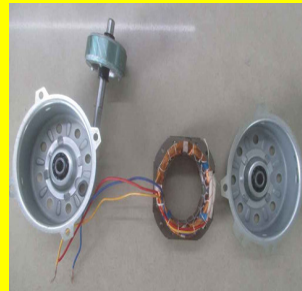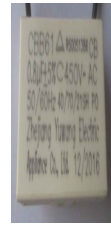PCB LCD 0505L3
Blue color characters

0505L3—APP—A
2017.5.11
AO TIAN
LM12020

Tuya module TYWE1S
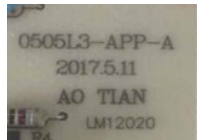
TYWE1S 1703291
P/N:2.01.01.10004
FCC ID:2AFNLTYWE1S

Motor: YYHS40 220-240V 50Hz 40W 1350r/min, class ??   What is motor class?Class 120
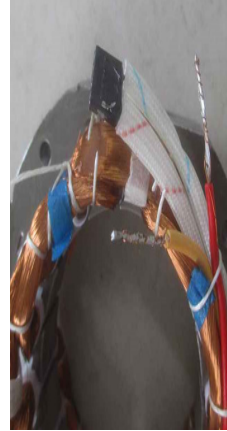
MODEL: YYHS40
220V~240V 50Hz
40W 1350r/min E
C=0.8µF

| |
|---|
| Capacitor for motor: CBB61 450VAC 50/60Hz 0.8μF 40/70/21 ZHEJIANG YUWANG TUV |
| Thermal link for motor:A4-F 2A 250V~ 130℃ |
| Step motor:28BYJ48A 12VDC CIXI FUDA |
| Relay:SHD-12VDC-F-A LS-T73 10A 240VAC TUV |
| Capacitor:MPX 0.1μF AC275V |
| L - shape wall mounting holes, add long size metal bracket with screw to secure heater from falling from the wall |

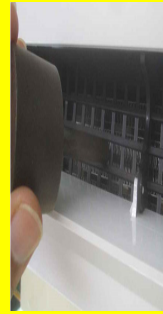PTC heating element, can pass the 360 V test without breaking. Creepage distance appr. 2,48 mm.
Heater element:HC-08 220-240V 50/60HZ 2000W
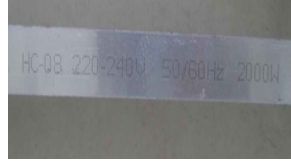
Self resetting thermal cut-out (130°) Thermal cut-out: KSD301 AC250V 10A 130℃ VDE

Thermal link for PTC heater element:RF3 250V~ 15A 150℃ TUV

Finger test outlet grill is tested with 8,59 mm. Just for checking, this is allowed because heater is positioned 180 cm. high. No need to do 5,5 mm test?No need to do 5.5mm test because high position install product.

Separate temperarure sensor mounted in incoming airflow, as on picture

Double bearing fan

First quality fast-on connectors to make solid connection without resistance, use improved fast-on connectors

VDE approved Schuko plug without earth 16A 250V~, Plug:CY02 16A 250V~ VDE

VDE approved H05VV-F 2 x 1,00 mm2 cupper, white color powercord, 160 cm. visible lenght, Cord:VDE H05VV-F 2×1.0mm2 NINGBO CHAOYU

Powercord REACH certificated without substances which are on the newest list from S.V.H.C. (substances of very high concern)

Pull- and push test approved cable inlet

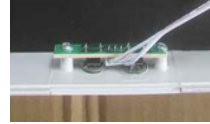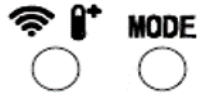| Use 850 degree glow wire test approved connectors for internal wiring |
|---|
| |

Internal wire : VDE H05S-K 1×0.75/1.0mm2 CIXI HAOSHENG

Use approved main switch which pass the 850 degree glow wire test, white housing. Switch:HKA 250VAC 16A T100 VDE
Without pilot light, blue color plastic cover

Mode button, Wi-Fi button on heater as on picture


Including remote control with batteries

Make 3,4 or 5 degree difference in PCB temperature.
The room temperature on APP will also be modified with same value (3,4 or 5 degree)?

The PCB temperature correction needs to be 3,4 or 5 degree difference. What is factory suggestion?5 degree difference.
APP will also show modified temperature?Right

All-fast on connectors and crimp connectors have to be minimum 3 mm from plastic housing
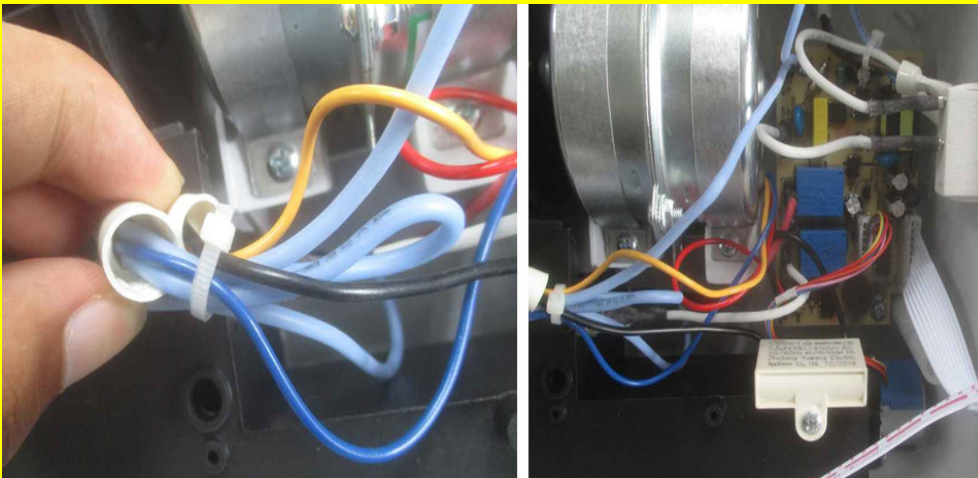

Crimp connectors 3 mm from housing or is housing 850 degree GWT approved?Can pass.

Mount self-resetting thermal cut-out element tight against heating element for a good heat connection

8. Silkscreen specifications

Do not cover silkscreen logo with 2 languages (English and Dutch), *__Text size MAX 3 mm. Logo size MAX 15 mm__* . color from silkscreen grey 11C
Position from silkscreen as on picture

15 mm   DO NOT COVER / NIET AFDEKKEN   3 mm
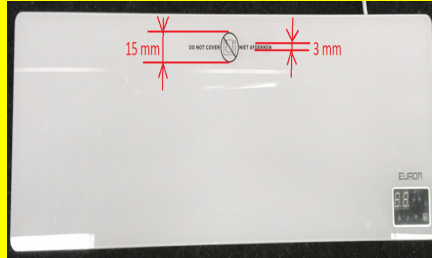
Last received stock, the silkscreen was too big. Please adjust to maximum dimensions of 3mm text and 15mm logo size.

Color packing, need to delete timer 0-8 hour symbol? Better delete.Because App show 24hours count down timer.

Silkscreen Eurom logo, color from silkscreen grey 11 C. Position silkscreen as on picture
Size logo, wide appr. 35 mm,

Silkscreen for knobs as on drawing. Color from silkscreen grey 11C

9. Test specifications

Approved fingertest according latest norms for this product
Approved glow wire test and needle flame test according certificates and regulations for all plastics
Approved rubbing test technicall detail label
Aprroved high voltage test
Approved fan block test
Approved protection against access to live parts test
Approved heating test , temperature rise from all components and housing surfaces below the maximum allowed temperature-rise
Approved test paper sheet before the air-inlet
Approved test lower voltage on fan motor, voltage as low as possible without thermal cut-out operates
Approved (half) cover test
Approved temperature rise wall/ceiling test from testcorner

10. Product color specifications

Colors according picture. White color housing, white color glass panel front , blue color switch, black color control panel with blue characters.

11. Artwork specifications
New Euromac designed color carton , to be confirmed by Euromac Modify color carton , timer information is wrong
New Euromac designed instruction manual, 8 languages. To be confirmed by Euromac New manual because of modifications season 2018-2019

New Euromac designed technical data label (incl.   Eurom Art. Nr.) to be confirmed by Euromac

New Euromac designed mastercarton (4 pcs. in one master carton)

Label with QR code Eurom Smart App on backside from heater