NO.36

SUNELEC

CONTROLLER

FOR ELECTRICAL APPLIANCES

宁波胜日电子有限公司

NINGBO SUNELEC CO.,LTD.

宁波胜日电子有限公司致力于为家电生产商提供电子电气系统解决方案，及一站式采购服务。

公司专业研发生产智能家电控制板和电子组件,产品主要用于油烟机，电陶炉，电烤箱，消毒柜，取暖器，水冷空调，风扇，红酒柜，冷柜等各类家用电器。

专业，专注，持续提升产品的质量，提供有竞争力的价格和对客户的完美服务是我们的目标和宗旨。

我们的技术和销售团队具有丰富的国际合作经验，客户主要来自欧洲，东南亚，中东和中南美洲等地，我们的愿望是和广大客户长期合作，共同成长！

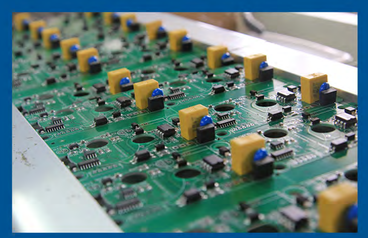
SUNELEC is located in Ningbo, a famous port city in China.

We are committed to providing electrical and electronic system solutions for home appliance manufacturers and providing one-stop procurement services.

Our company specializes in R&D and production of intelligent home appliance control board and electronic components, the products are mainly used in range hoods, electric ceramic hobs, electric ovens, disinfection cabinets, heaters, water-cooled air conditioners, fans, wine coolers, freezers and other household appliances.

Professional, focus, continue to improve the quality of products, to provide competitive prices and perfect service to customers is our goal and purpose.

Our technical and sales team has rich experience in international cooperation. Our customers mainly come from Europe, southeast Asia, Middle East, central and South America, etc. Our wish is to cooperate with our customers for a long time and grow together!



CE

Certificate of Compliance

Certificate No. : BST14DL401410001Y-1EC-1
Applicant : NINGBO SUNELEC CO., LTD.
No.4 Building, No.128 Tonghui Road, Hongtang, Ningbo
Manufacturer : NINGBO SUNELEC CO., LTD.
No.4 Building, No.128 Tonghui Road, Hongtang, Ningbo
Product Name : TUBE
Main Test Model : T8
Additional Model : MT8, MT5, SCL600, SCL700, SCL800, SCL900
Test Standard : EN60016:2013
EN61547:2009
EN61000-3-2:2006+A1:2009+A2:2009
EN61000-3-3:2013
As shown in the Test Report No. : BST14DL401410001Y-1ER-1.

The EUT described above has been tested by us with the listed standards and found in compliance with the council EMC directive 2004/108/EC. It is possible to use CE marking to demonstrate the compliance with the EMC Directive.
The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production.

CE

Christina Deng
Manager
Jul. 15, 2014

Shenzhen BST Technology Co.,Ltd.
Add: Building No.23-24, Zhihang Industrial Park, Guanlouer Road, Nanlou,Nanshan District,Shenzhen,Guangdong,China
Certificate Search: http://www.bst-lab.com Tel:400-882-9628, 8009980935, E-mail:christina@bst-lab.com

Certificate of Compliance

Certificate NO. : BST14DL401410001Y-1SC-2
Applicant : NINGBO SUNELEC CO., LTD.
No.4 Building, No.128 Tonghui Road,Hongtang,Ningbo
Manufacturer : NINGBO SUNELEC CO., LTD.
No.4 Building, No.128 Tonghui Road,Hongtang,Ningbo
Product Name : TUBE
Main Test Model : T8
Additional Model : MT8, MT5, SCL600, SCL700, SCL800, SCL900
Test Standard : EN 60598-2-1:1989
EN 60598-1:2008+A11:2009
As shown in the Test Report No. : BST14DL401410001Y-1SR-2

The EUT described above has been tested by us with the listed standards and found in compliance with the council LVD directive 2006/95/EC. It is possible to use CE marking to demonstrate the compliance with this LVD Directive.
The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production.

CE

Christina Deng
Manager
Jul. 15, 2014

Shenzhen BST Technology Co., Ltd.
Add:Building No.23-24,Zhihang Industrial Park, Guanlouer Road, Nanlou, Nanshan District,Shenzhen,Guangdong,China
Certificate Search: http://www.bst-lab.com Tel: 400-882-9628, 8009980935, E-mail:christina@bst-lab.com

BST | A RELIABLE TESTING FOR TRUST

Certificate of Compliance

Certificate No. : BSTXD1903109442058EC
Applicant : NINGBO SUNELEC CO.,LTD
4th Floor, No.7 Building, No.199 ChangXing Road, Hongtang, Ningbo, China
Manufacturer : NINGBO SUNELEC CO.,LTD
4th Floor, No.7 Building, No.199 ChangXing Road, Hongtang, Ningbo, China
Product Name : Range Hood Controller
Main Test Model : Y1015
Additional Model : UA01,UB01,Y1072,Y10XX,Y20-XX
Test Standard : EN55014-1:2017
EN55014-2:2015
EN61000-3-2:2014
EN61000-3-3:2013
EN55014-2:2015
As shown in the Test Report No. : BSTXD1903109442058ER

The EUT described above has been tested by us with the listed standards and found in compliance with the council EMC directive 2014/30/EU. It is possible to use CE marking to demonstrate the compliance with this EMC Directive.
The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production.

CE

Christina Deng
Manager
Feb. 20, 2019

BST Technology (Shenzhen) Co.,Ltd.
Add: No.1 New Era Industrial Zone, Guanlan, Bao'an District, Shenzhen, Guangdong, China
Certificate Search: http://www.bst-lab.com Tel: 400-882-9628, 8009980935, E-mail:christina@bst-lab.com

BST | A RELIABLE TESTING FOR TRUST

Certificate of Compliance

Certificate NO. : BST1902109442035C
Applicant : NINGBO SUNELEC CO., LTD
4th Floor, No.7 Building, No.199 ChangXing Road, Hongtang, Ningbo, China
Manufacturer : NINGBO SUNELEC CO., LTD
4th Floor, No.7 Building, No.199 ChangXing Road, Hongtang, Ningbo, China
Product Name : RANGE HOOD CONTROLLER
Trade Name : CCHWEB
Main Test Model : Y1015
Additional Model : UA01, UB01, Y1072, Y10XX, Y20-XX
Test Standard : EN 60335-1:2012+A11:2014
As shown in the Test Report No. : BST1902109442035R

The EUT described above has been tested by us with the listed standards and found in compliance with the council LVD directive 2014/35/EU. It is possible to use CE marking to demonstrate the compliance with this LVD Directive.
The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production.

CE

Christina Deng
Manager
Feb. 20, 2019

BST Technology(Shenzhen)Co., Ltd.
Add: No.7 New Era Industrial Zone, Guanlan, Bao'an District, Shenzhen, Guangdong, China
Certificate Search: http://www.bst-lab.com, Tel: 400-882-9628, 8009980935, E-mail:christina@bst-lab.com

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FREEZER & COOLER CONTROLLER P13

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Example(part) 开发实例（部分）

DISPLAY PANEL

1.LIGHT(灯):
This shows that the light in the oven is on,and is activated/deactivated by the“LIGHT BUTTON”.

2.MOTOR(电机):
This shows the movement of the motor of the rod bbq and is activated/deactivated by the“MOTOR BUTTON”.

3.NUMBER(数字):
This shows the clock(24hours)and also the remaining time to cock (hours and minutes) .When the time to cock is on the numbers only show the remaining time and this works with the“REMAINING TIME” figure;otherwise shows the clock (hours and minutes)and this works with the “CLOCK”figure.

4.REMAINING TIME(延时):
This shows that the oven is cooking the food also works with the “NUMBER”figure,indicates the hour and minutes to finish the process of the cooking.

5.CLOCK(时钟)：
This shows hours and minutes in 24 hours format, also works with the “NUMBER” figure.

6.LIGHT BUTTON(灯按键):
Activates/deactivates the light in the oven.

7.MOTOR BUTTON(电机按键):
Activates/deactivates the motor of the rod bbq in the oven.

8.TIME REMAINING BUTTON(延时按键):
Activates/deactivates the time remaining to cock,also works with the“DOWN BUTTON”and“UP BUTTON” to configurate the “NUMBER”figure according with the time that the people need.To change of the hour number to minute number just is needed press this button.

9.DOWN BUTTON(朝下按键):
Decreases the hours/minutes of the CLOCK and TIME REMAINING figure.

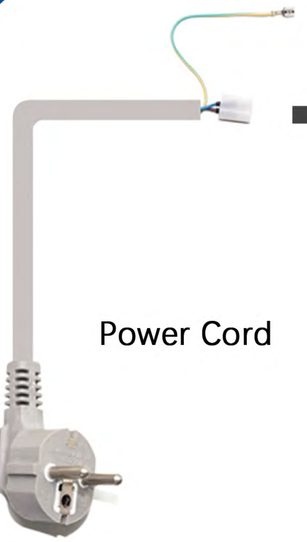
10.CLOCK BUTTON(时钟按键):
Activates/deactivates the clock,also works with the“DOWN BUTTON”and“UP BUTTON”to configurathe“NUMBER”figure according with the time zone.To change of the hour number to minute number just is needed press this button.

11.UP BUTTON(朝上按键):
Increases the hour/minutes of the CLOCK and TIME REMAINING figure.

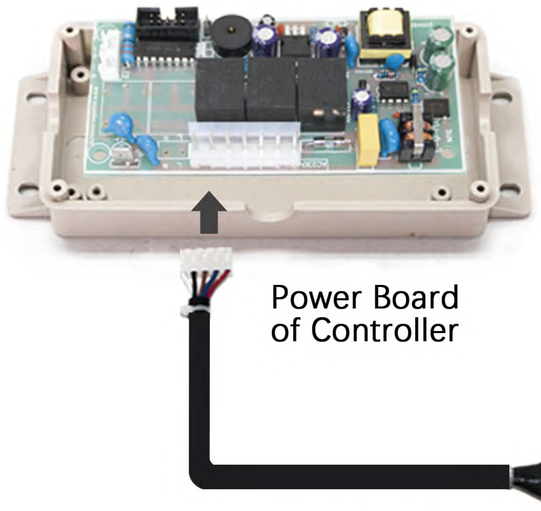
THE SYSTEM WORKS WITH:THE ROTATORY MOTOR.LIGHT AND REMAINING TIMER.

All THESE ELEMENTS NEED A POWER OF 25W.

本控制系统包括旋转电机，灯和定时器，所有元件都需要25W的功率



Power Cord



Power Board
of Controller

Connecting Wire

LED Lamp

Touchable Switch
of Controller

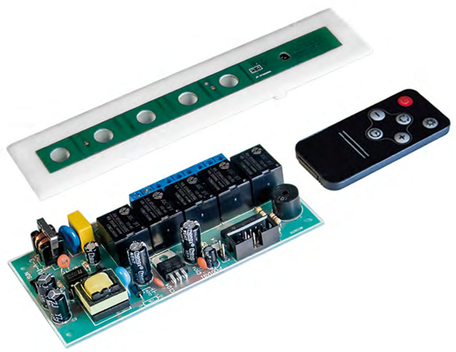
Motor(Blower)

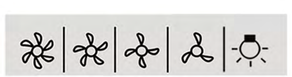
FUNCTIONS

时钟 Clock	烟感 Gas Sensor	1-4档 风速 Speed 1 to 4	
报警 Alarm	遥控 Remote Control	显示屏 LED/LCD Display	12VDC 输出 12VCD Output

Light 照明	Low Speed 低速	Medium Speed 中速	High Speed 高速
Timer 定时	On/Off 开关	Down 设置“减”	Up 设置“加”

Y1015





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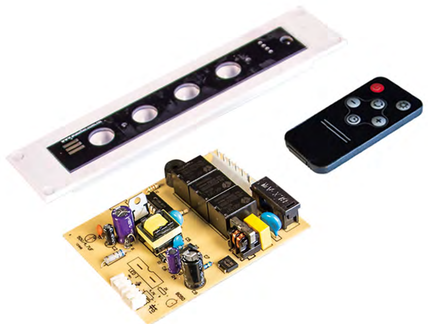

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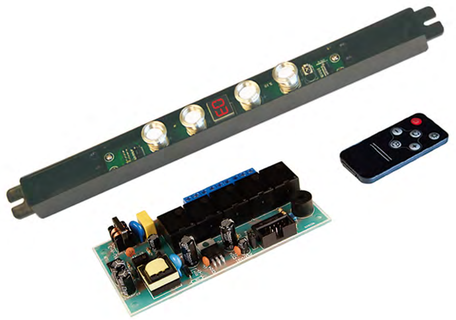

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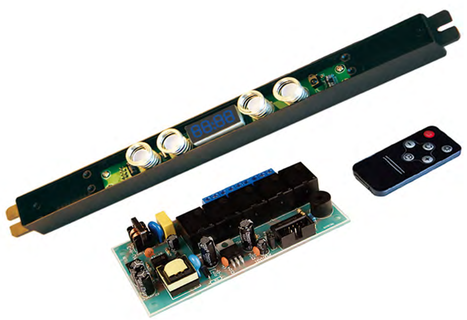
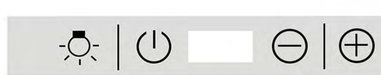
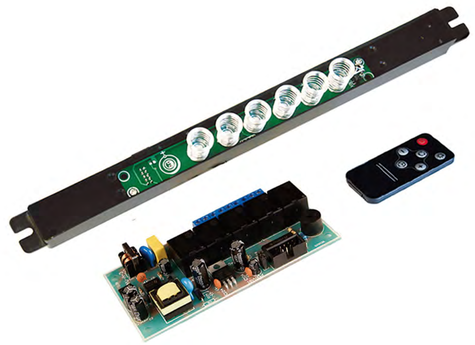


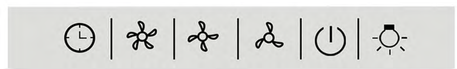


Y1072
Integrated Controller

Y1076
Integrated Controller

UP1B1





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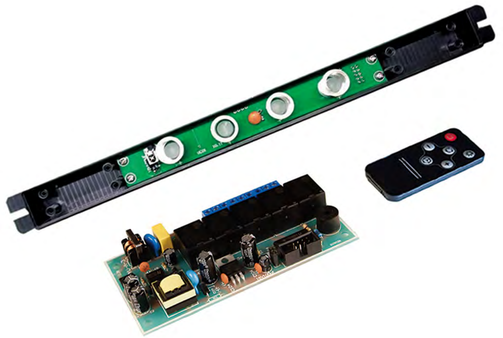
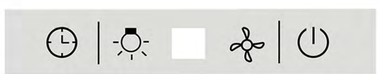


Y1019

Y1022



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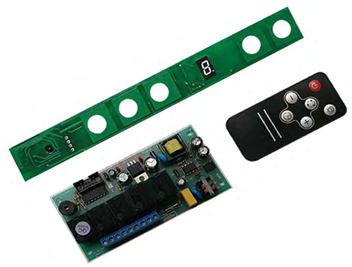

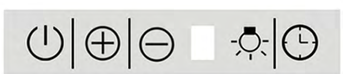

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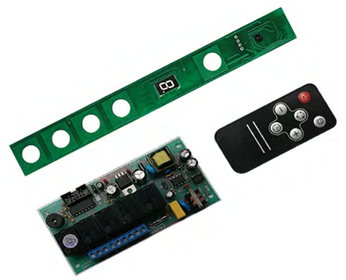
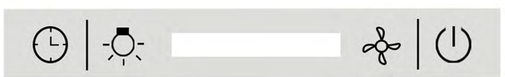


Y1080P
Actuator System

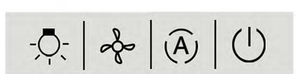
Y1018S

Y1031



Y1030G

Y1035G



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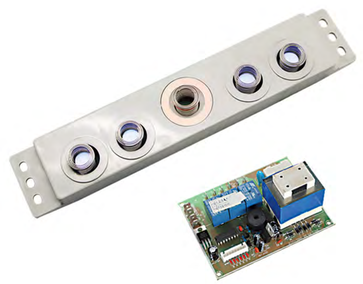

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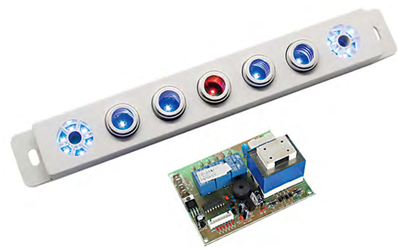

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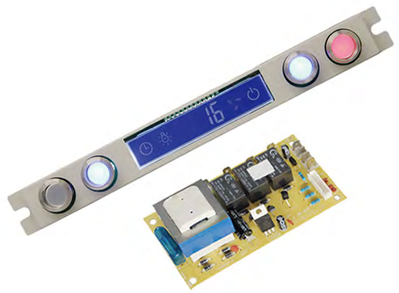

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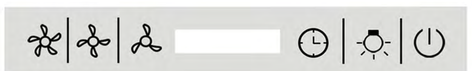

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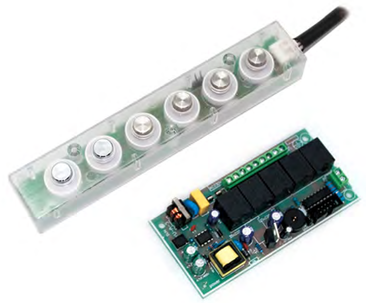
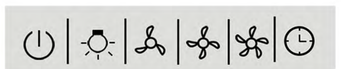
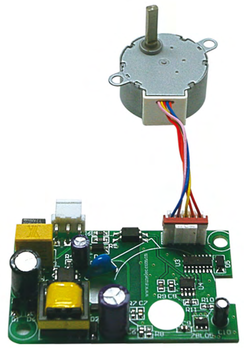


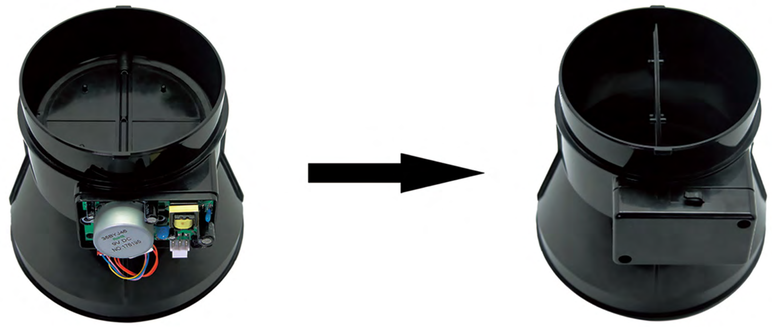


Y10BL

BLDC Motor Controller

MD01





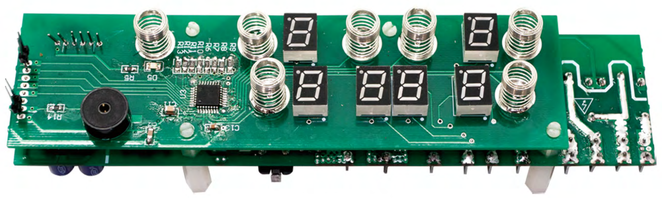
CLOSE OPEN

出风口盖板在油烟机不工作时关闭（完全密闭，达到防漏水级别），防止烟气倒灌;当油烟机工作时则自动打开排出烟气。

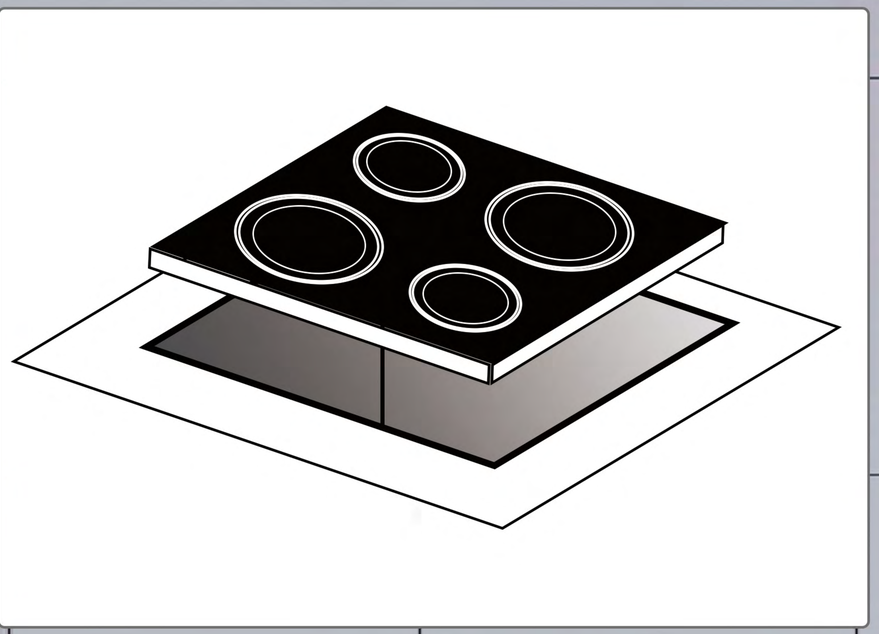
The output cover is closed in not working condition to avoid the smoke air turn back the range hood (It's completely sealt to be water-proofed).It will be opened automatically when the range hood start to work to exhaust the smoke air.

油烟机
出风口阻尼控制板

CERAMIC HOB CONTROLLER



CHC01

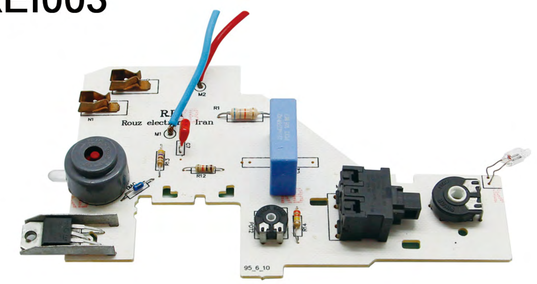


OVEN CONTROLLER

KX1411

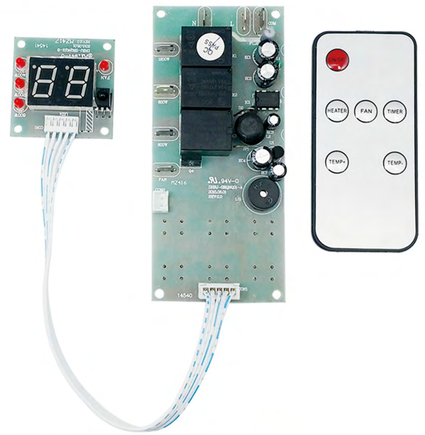
VACUUM CLEANER CONTROLLER

REI003



HEATER CONTROLLER

QN1403



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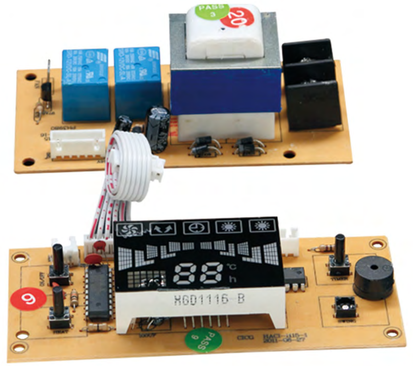


FREEZER & COOLER CONTROLLER

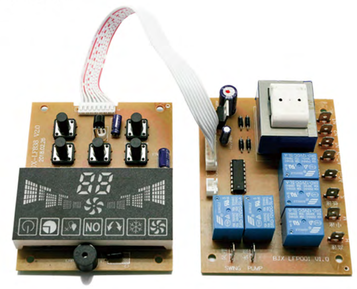
WKQ2001

BG1506

AIR COOLER CONTROLLER

BJX-LF-05

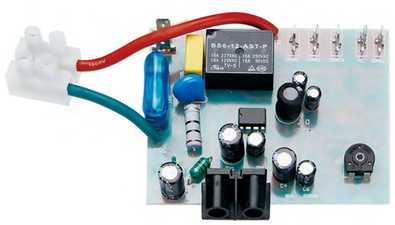
DX-LF838



SKT-2017-A9.3

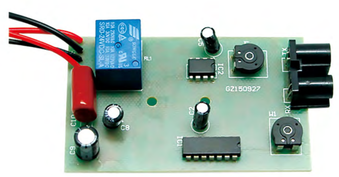
AUTOMATIC HAND DRIER CONTROLLER

GS1303

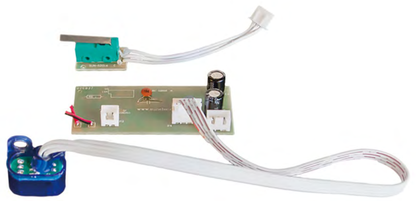


AUTOMATIC SOAP DISPENSER CONTROLLER

GZ1511

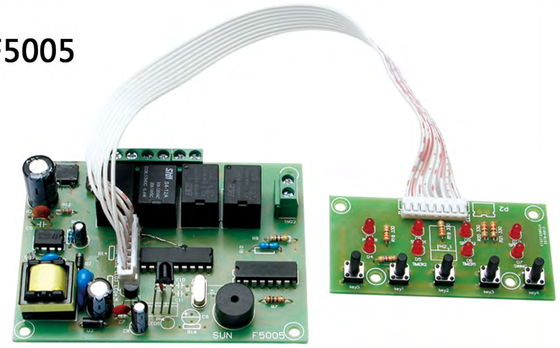


GZ1603



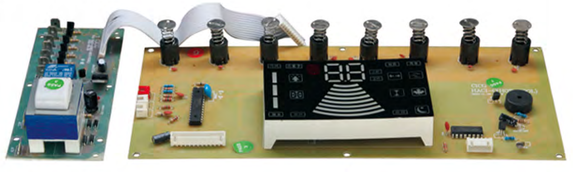
FAN CONTROLLER

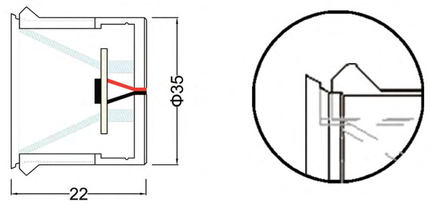
F5005



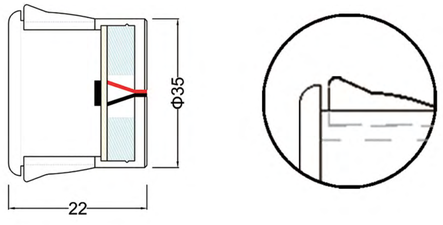
FC1302

FC1303

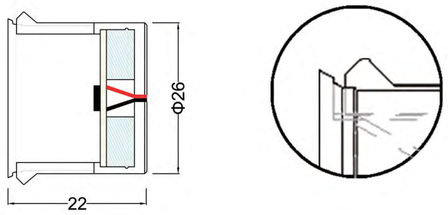




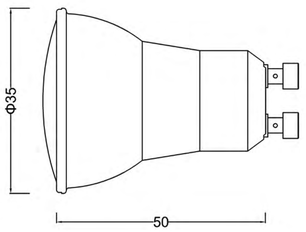
Model	LED	Size	Voltage	Power	Colour Temperature	Luminous Flux
LCR35	4SMD0.5W	Φ35X22	DC12V	2W	3000-6500K	150±10%



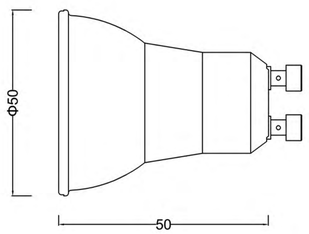
Model	LED	Size	Voltage	Power	Colour Temperature	Luminous Flux
LCR35T	4SMD0.5W	Φ35X22	DC12V	2W	3000-6500K	150±10%
LCR35T-AC	9SMD2835	Φ35X22	AC220V	1.8W	3000-6500K	150±10%



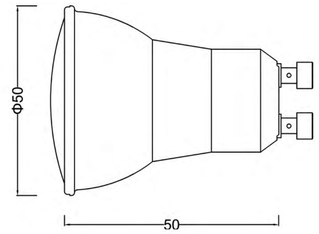
Model	LED	Size	Voltage	Power	Colour Temperature	Luminous Flux
LCR26	4SMD0.5W	Φ26X22	DC12V	2W	3000-6500K	150±10%



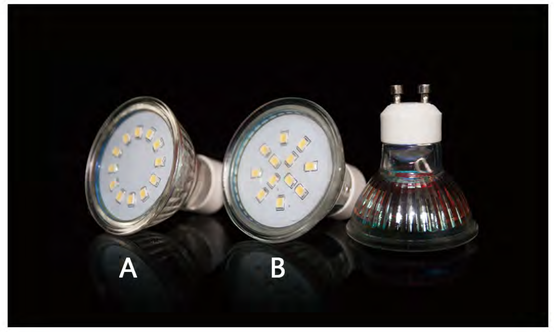
Model	LED	Size	Voltage	Power	Colour Temperature	Luminous Flux
MINI GU10-1.8W	9SMD2835	Φ35X50	AC230V	1.8W	3000-6500K	180±10%

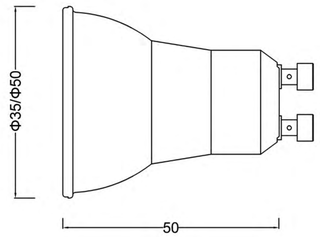


Model	LED	Size	Voltage	Power	Colour Temperature	Luminous Flux
GU10-3W	6SMD2835	Φ50X50	AC230V	3W	3000-6500K	300±10%
GU10-5W	9SMD2835	Φ50X50	AC230V	5W	3000-6500K	500±10%



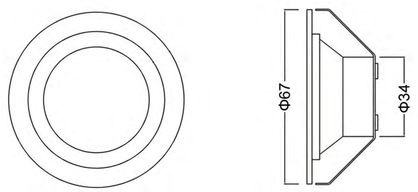
Model	LED	Size	Voltage	Power	Colour Temperature	Luminous Flux
GU10-2.4W	12SMD2835	Φ50X50	AC230V	2.4W	3000-6500K	240±10%





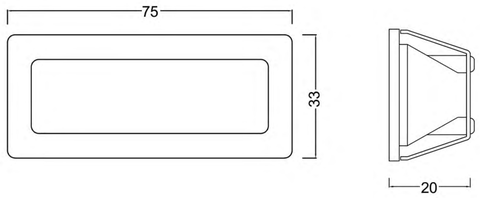
Model	Size	Voltage	Power	Colour Temperature	Lumen
MINI GU10-35W	Φ35X50	AC230V	35W	3000K	300±10%
GU10-35W	Φ50X50	AC230V	35W	3000K	300±10%

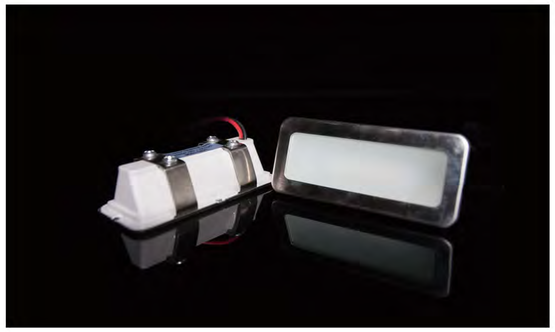
HALOGEN LAMP



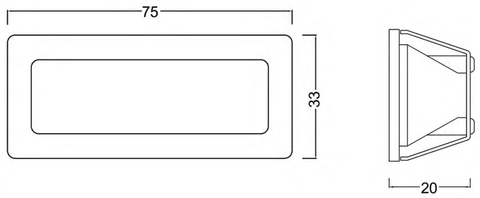
Model	LED	Size	Voltage	Power	Colour Temperature	Luminous Flux
LCH-1002	9SMD2835	Φ67XΦ34	DC12V	1.8W	3000-6500K	130±10%
LCH-1002AC			AC230V			

LED RANGE HOOD LAMP

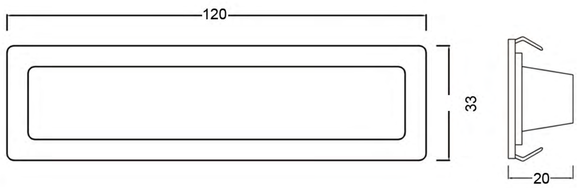




Model	LED	Size	Voltage	Power	Colour Temperature	Lumen
LCH-1006	5SMD2835	75X33X20	DC12V	1.0W	3000-6500K	80±10%

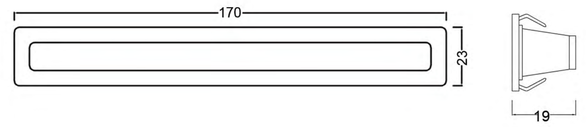


Model	LED	Size	Voltage	Power	Colour Temperature	Lumen
LCH-1006-F12	12DIP	75X33X20	DC12V	1.5W	3000-6500K	130±10%

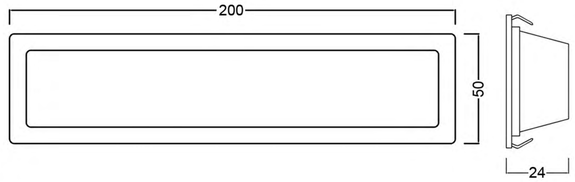


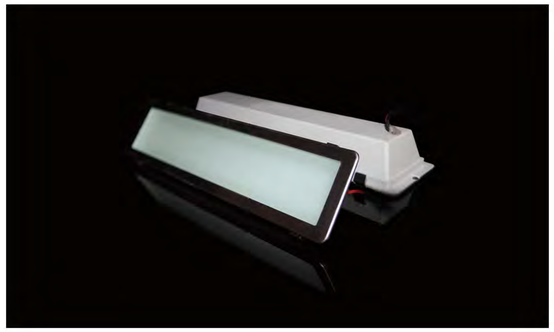
Model	LED	Size	Voltage	Power	Colour Temperature	Lumen
LCH-1012	9SMD2835	120X33X20	DC12V	1.8W	3000-6500K	150±10%
LCH-1012AC			AC220V			100±10%

LED RANGE HOOD LAMP

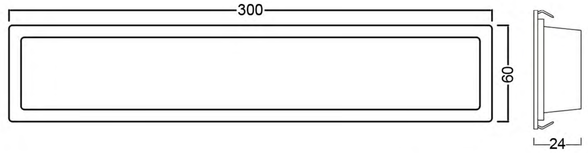


Model	LED	Size	Voltage	Power	Colour Temperature	Lumen
LCH-1013	9SMD2835	171x23x19	DC12V	1.8W	3000-6500K	180±10%
LCH-1013AC			AC220V			



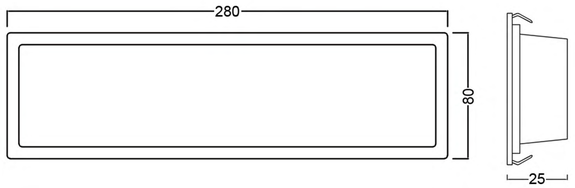


Model	LED	Size	Voltage	Power	Colour Temperature	Lumen
LCH-1020	24SMD2835	200x50x24	DC12V	4.8W	3000-6500K	400±10%
LCH-1020AC			AC220V			280±10%

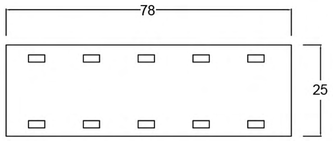


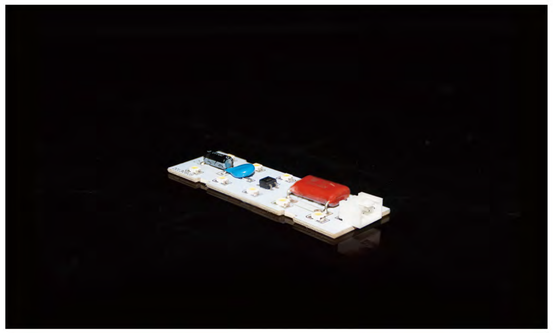
Model	LED	Size	Voltage	Power	Colour Temperature	Luminous Flux
LCH-1030	30SDM2835	300X60X24	DC12V	6W	3000-6500K	480±10%

LED RANGE HOOD LAMP

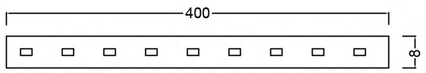


Model	LED	Size	Voltage	Power	Colour Temperature	Luminous Flux
LCH-1028	24SMD2835	280X80X25	DC12V	4.8W	3000-6500K	400±10%



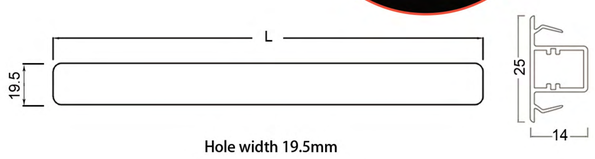


Model	LED	Size	Voltage	Power	Colour Temperature	Lumen
LCH- 2001	10SMD2835	78X25	AC220V	2W	3000-6500K	±10%



Model	LED	Size	Voltage	Power	Colour Temperature	Lumen
LCH-1040	18SMD2835	400X23X8	AC220V	3.6W	6000K	360±10%

LED RANGE HOOD LAMP



Hole width 19.5mm

Model	LED	Size	Voltage	Power	Colour Temperature	Lumen
SCL-6006-260	13PCS	260X25X14	DC12V	2.4W	3000-6500K	200±10%
SCL-6006AC-260			AC220V			140±10%
SCL-6006-360	18PCS	360X25X14	DC12V	3.6W	3000-6500K	300±10%
SCL-6006AC-360			AC220V			200±10%
SCL-6006-460	24PCS	460X25X14	DC12V	4.8W	3000-6500K	400±10%
SCL-6006AC-460			AC220V			280±10%

HARNESS CABLE

H001

H002

H003

H004

H005

H006

H007

H008

H009

POWER CORD

K04

K01(Φ4.8)

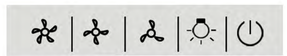
POWER CORD

S006A

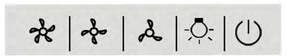
MECHANICAL SWITCH

KQ-1B

KQ65



KQ35-1A



REMOTE CONTROL

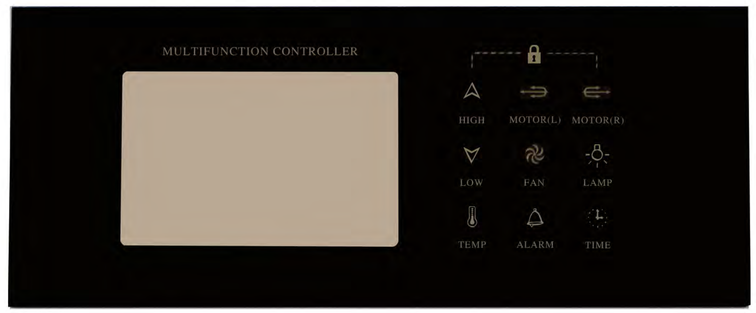
RCA

RCU

RCM

RCT

GLASS PANEL



FREEZER MOTOR

670/672

YJ82-A

YJ82-F

SWITCH

10A 250Vac

FZ31-3H

TIMER

240V 50/60Hz

DKJ-60

THERMOSTAT

250V 16A,130℃

KDT-200-1

MOTOR

220-240V 50/60Hz 4W

TY-50AF

230V 50Hz 10.2W

YJF60-12H

YJO61

49TYJ-E1

49TYJ-E2

MOTOR

YJ84

K60-WH(O)

S60

BK-01

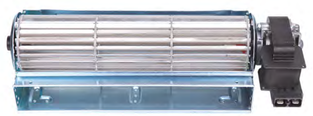
RANGE HOOD BLOWER

LINEAR ACTUATOR

SUNELEC

AC CROSS FLOW FAN

Φ33X242



F60270

F60180

DC CROSS FLOW FAN

Φ30

Φ45

Φ60

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