



Listing Constructional Data Report (CDR)

1.0 Reference and Address			
Report Number	SH09081092-001	Original Issued: 10-Nov-2009	Revised: None
Standard(s)	Standard for Electric Dry-Bath Heaters; UL 875 9th Edition, rev. May 21, 2009 Standard for Electric Sauna Heating Equipment; CAN/CSA-C22.2 No.164-M91, Reaffirmed 2007		
Applicant	Anhui Saunaking Co., Ltd.	Manufacturer	Anhui Saunaking Co., Ltd.
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2.0 Product Description																																																			
Product	Dry Sauna Room																																																		
Brand name	Saunaking																																																		
Description	The products covered in the report are indoor cord-connected, grounding, prefabricated, dry-bath WOODEN SAUNA designed to be installed and used in ordinary dry locations. They are provided with a digital user-operable touch controller for time and temperature setting which located inside and outside the room.																																																		
Models	FRB-022LFT, FRB-022LEBT, FRB-022LECT, FRB-033LBT, FRB-033LFBT, FRB-033LFCT, FRB-033LFT, FRB-033LWT, FRB-044LBT																																																		
Model Similarity	<p>1.The models have same electrical circuits except different internal space and number of heaters.</p> <p>2.FRB-022LECT is identical with FRB-022LEBT except different dimension and shape of eave, different quantity of external lights on the eave.</p> <p>3.FRB-022LFT is identical with FRB-022LEBT except different dimension of glass, different dimension and shape of eave, FRB-022LFT has two control panels which located outside and inside of front wall; FRB-022LEBT only has single control panel which located inside of side wall.</p> <p>4.FRB-033LFT is identical with FRB-033LFCT except different dimension of glass.</p> <p>5.FRB-033LFBT is identical with FRB-033LFCT except different dimension of eave, different quantity of external lights on the eave.</p> <p>6.FRB-033LBT is identical with FRB-033LFCT except different dimension and shape of eave, different quantity and dimension glass, different quantity of external lights on the eave, different location of the seating heating pad.</p> <p>7.FRB-033LWT is identical with FRB-033LFCT except different dimension and shape of room, FRB-033LWT has two control panels which located outside and inside of front wall; FRB-033LFCT only has single control panel which located inside of side wall.</p>																																																		
Ratings	<table border="1"> <thead> <tr> <th>Product</th> <th>Voltage (V)</th> <th>Frequency (Hz)</th> <th>Input power (W)</th> <th>Room internal dimension approximately (mm)</th> </tr> </thead> <tbody> <tr> <td>FRB-022LEBT</td> <td>120</td> <td>60</td> <td>1600</td> <td>1200×1050×1900</td> </tr> <tr> <td>FRB-022LECT</td> <td>120</td> <td>60</td> <td>1600</td> <td>1200×1050×1900</td> </tr> <tr> <td>FRB-022LFT</td> <td>120</td> <td>60</td> <td>1600</td> <td>1200×1050×1900</td> </tr> <tr> <td>FRB-033LBT</td> <td>120</td> <td>60</td> <td>2100</td> <td>1550×1100×1900</td> </tr> <tr> <td>FRB-033LFT</td> <td>120</td> <td>60</td> <td>2100</td> <td>1600×1100×1900</td> </tr> <tr> <td>FRB-033LFBT</td> <td>120</td> <td>60</td> <td>2100</td> <td>1600×1100×1900</td> </tr> <tr> <td>FRB-033LFCT</td> <td>120</td> <td>60</td> <td>2100</td> <td>1600×1100×1900</td> </tr> <tr> <td>FRB-033LWT</td> <td>120</td> <td>60</td> <td>2100</td> <td>1500×650×650×1200×1900</td> </tr> <tr> <td>FRB-044LBT</td> <td>120</td> <td>60</td> <td>2100</td> <td>1750×1200×1900</td> </tr> </tbody> </table>	Product	Voltage (V)	Frequency (Hz)	Input power (W)	Room internal dimension approximately (mm)	FRB-022LEBT	120	60	1600	1200×1050×1900	FRB-022LECT	120	60	1600	1200×1050×1900	FRB-022LFT	120	60	1600	1200×1050×1900	FRB-033LBT	120	60	2100	1550×1100×1900	FRB-033LFT	120	60	2100	1600×1100×1900	FRB-033LFBT	120	60	2100	1600×1100×1900	FRB-033LFCT	120	60	2100	1600×1100×1900	FRB-033LWT	120	60	2100	1500×650×650×1200×1900	FRB-044LBT	120	60	2100	1750×1200×1900
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FRB-044LBT	120	60	2100	1750×1200×1900																																															
Other Ratings	NA																																																		

Product Photographs

Photo 1 - 55

Photo 1 - External view of Model FRB-022LEBT



Photo 2 - External view of Model FRB-022LECT



Product Photographs

Photo 3 - External view of Model FRB-022LFT



Photo 4 - External view of Model FRB-033LBT



Product Photographs

Photo 5 - External view of Model FRB-033LFT



3

4

Photo 6 - External view of Model FRB-033LFBT



3

4

Product Photographs

Photo 7 - External view of Model FRB-033LFCT



Photo 8 - External view of Model FRB-033LWT



Product Photographs

Photo 9 - External view of Model FRB-044LBT



Photo 10 - Top view of Model FRB-022LEBT

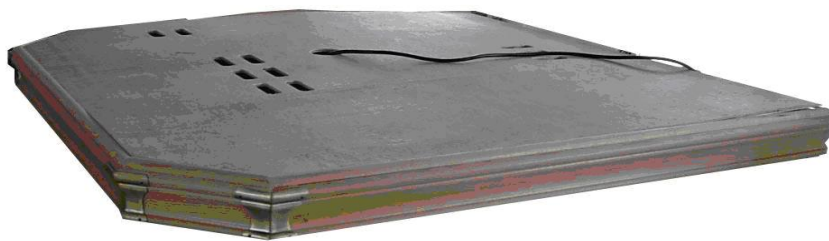


Product Photographs

Photo 11 - Top view of Model FRB-022LECT



Photo 12 - Top view of FRB-022LFT

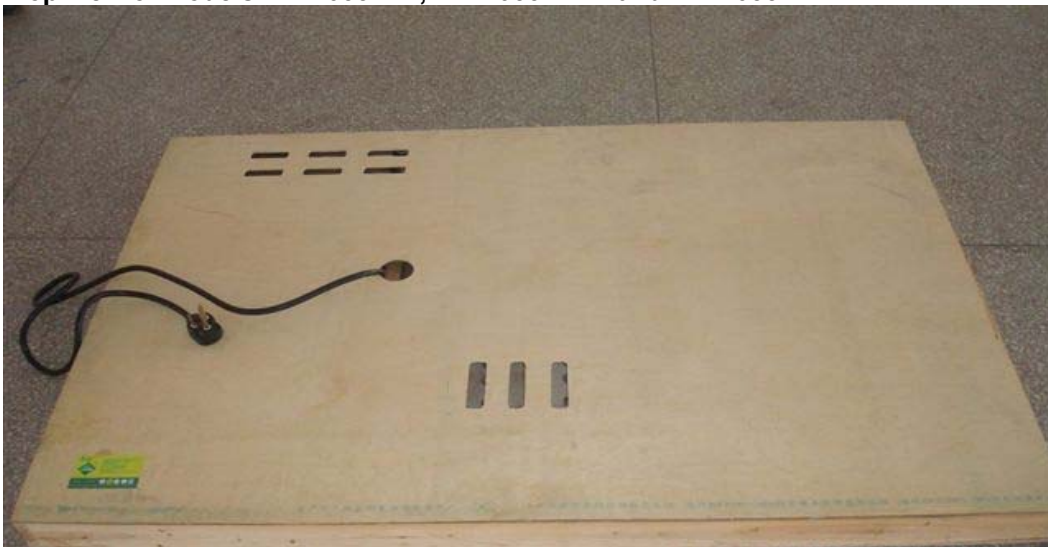


Product Photographs

Photo 13 - Top view of Model FRB-033LBT



Photo 14 - Top view of Models FRB-033LFT, FRB-033LFBT and FRB-033LFCT



Product Photographs

Photo 15 - Top view of Model FRB-033LWT



Photo 16 - Top view of Model FRB-044LBT



Product Photographs

Photo 17 - Plug of Models which are rated 2100W

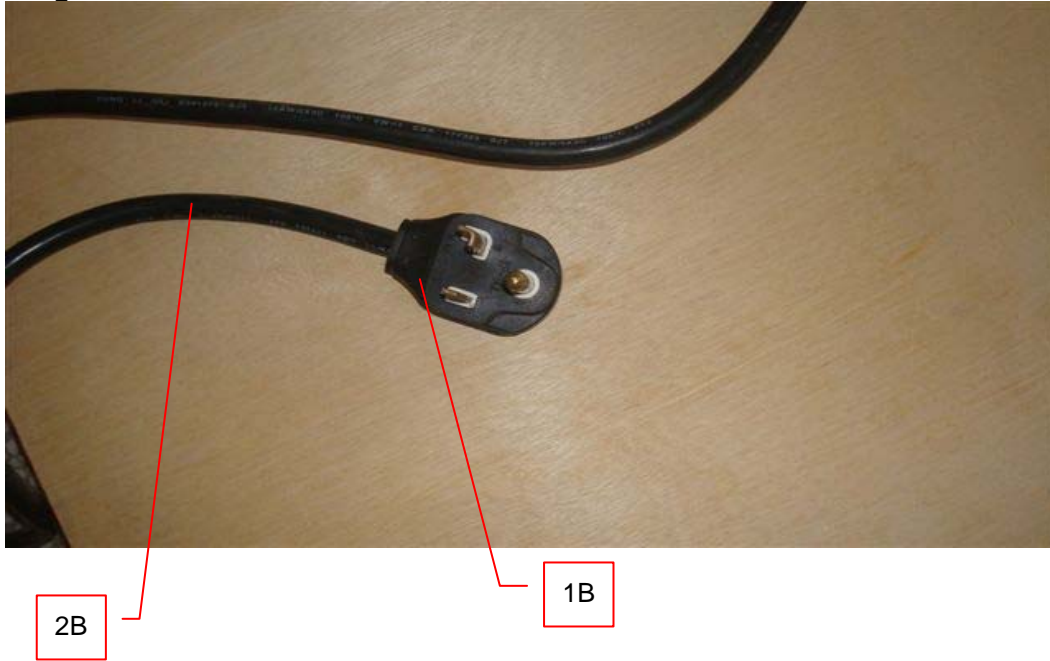
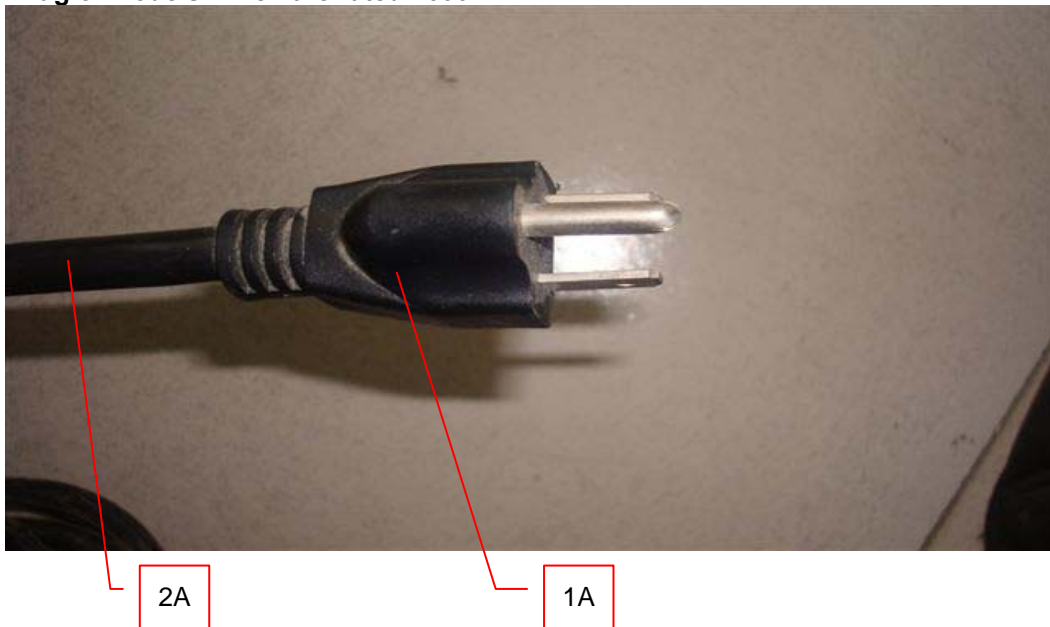


Photo 18 - Plug of Models which are rated 1600W



duct Photographs

Photo 19 - Control Panel Outside for all models



8.IV

Photo 20 - Control Panel Inside for all models



Product Photographs

Photo 21 - Wood handle and Magnetic catcher provided for all models. See detailed shape in photos of external view of respective models



Photo 22 - Ring lock on Wood Enclosure



Product Photographs

Photo 23 - Internal view of Model FRB-033LWT



Photo 24 - Internal View of Mode FRB-033LWT



Product Photographs

Photo 25 - Internal View of Model FRB-033LFT



Photo 26 - Inlet Ventilation outside Wood Enclosure of models other than FRB-033LWT



duct Photographs

Photo 27 - Inlet Ventilation inside Wood Enclosure of models other than FRB-033LWT



5B.I

Photo 28 - Inlet Ventilation inside Wood Enclosure of model FRB-033LWT



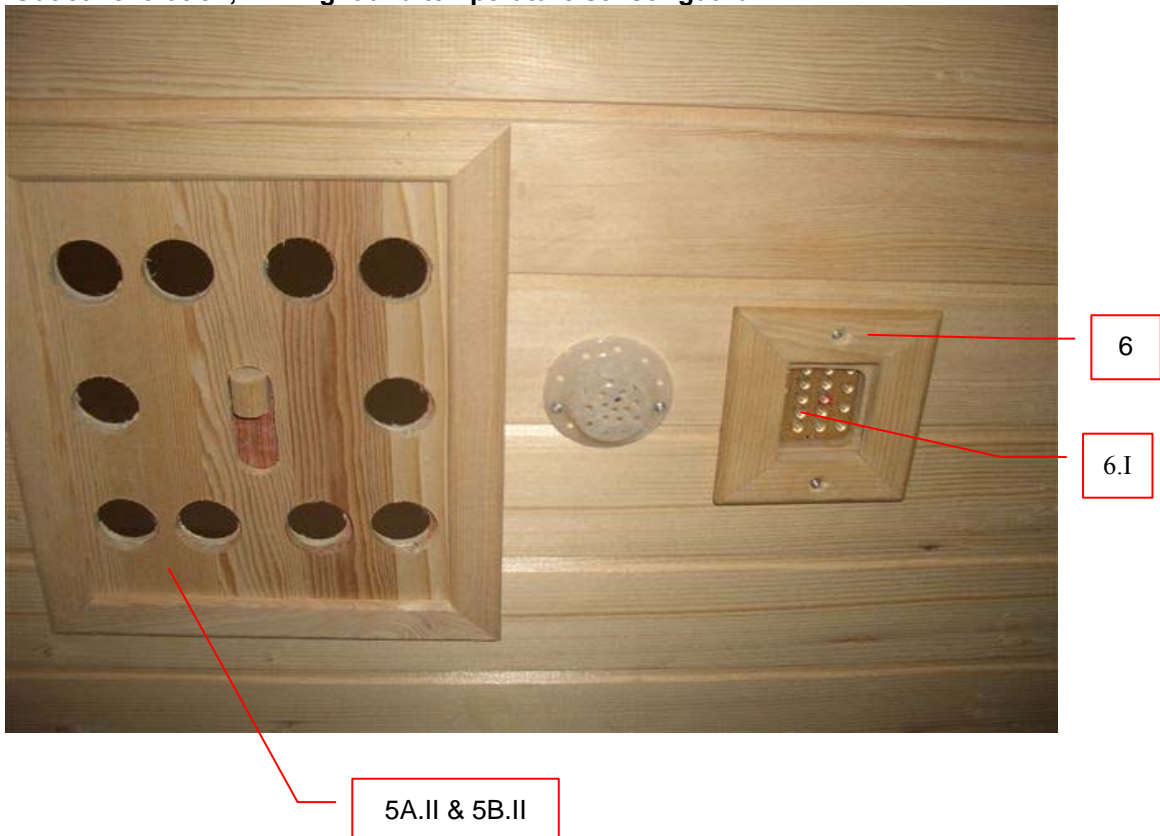
5A.I

duct Photographs

Photo 29 - Internal view of FRB-033LFCT



Photo 30 - Outlet ventilation, LED light and temperature sensor guard

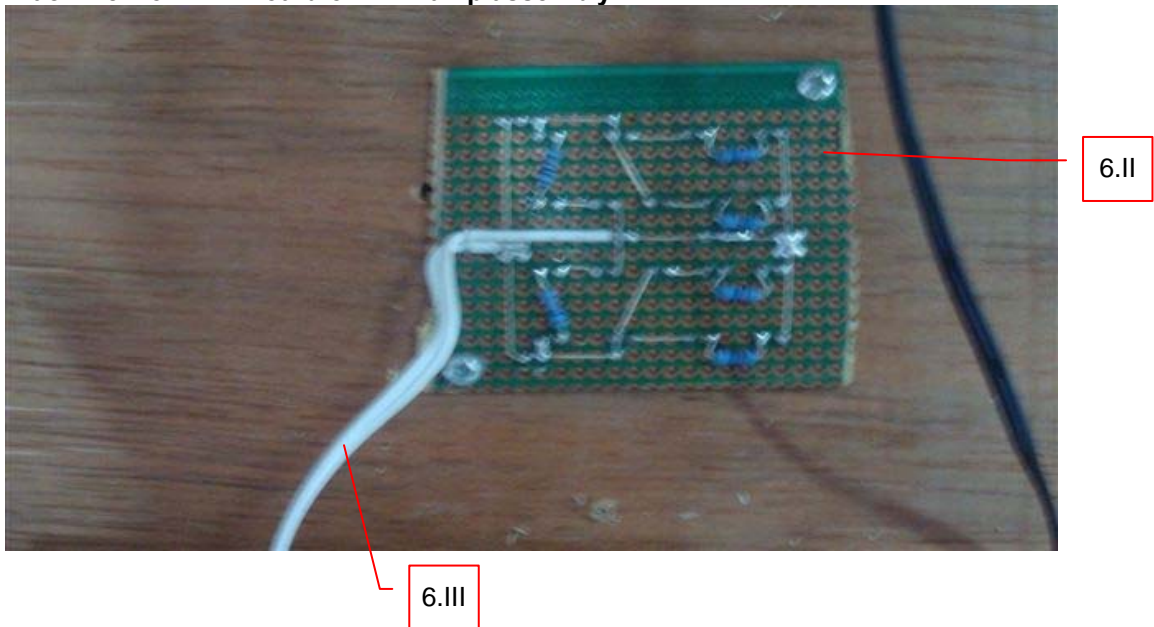


Product Photographs

Photo 31 - Temperature sensor

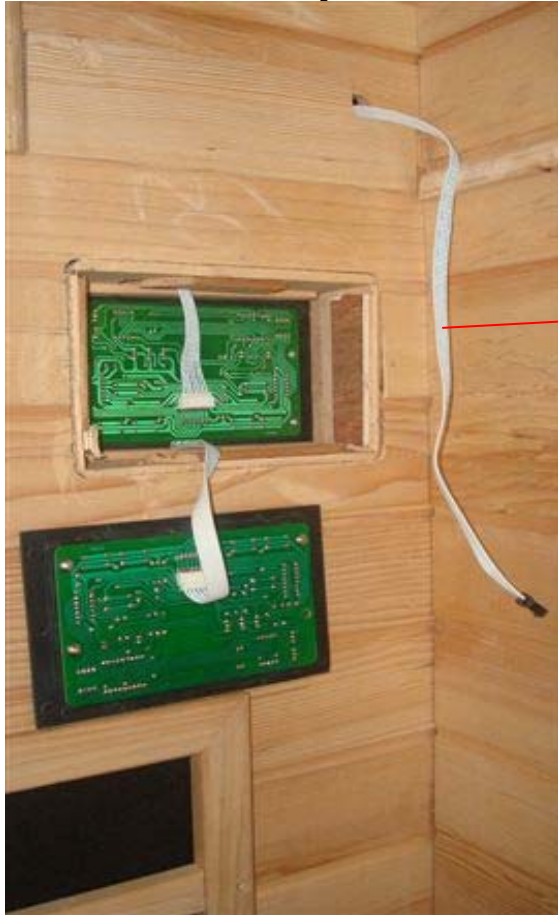


Photo 32 - Back view of PCB Board of LED lamp assembly



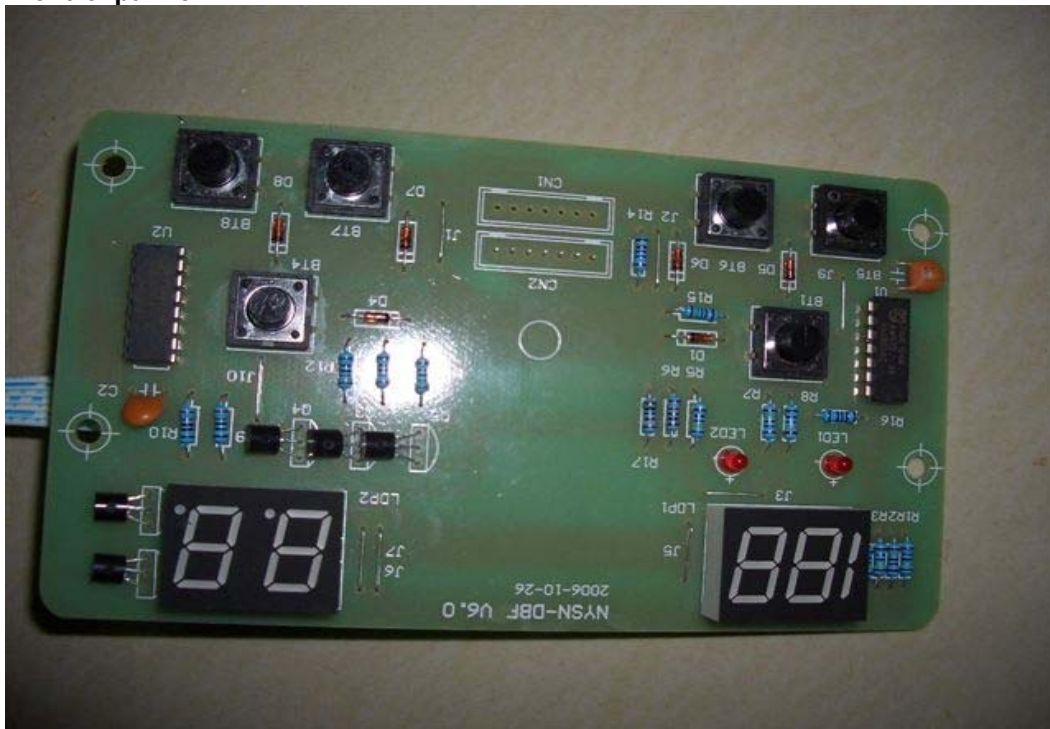
duct Photographs

Photo 33 - Control Panel Assembly



8.III

Photo 34 - Control panel PCB



Product Photographs

Photo 35 - Control Panel PCB

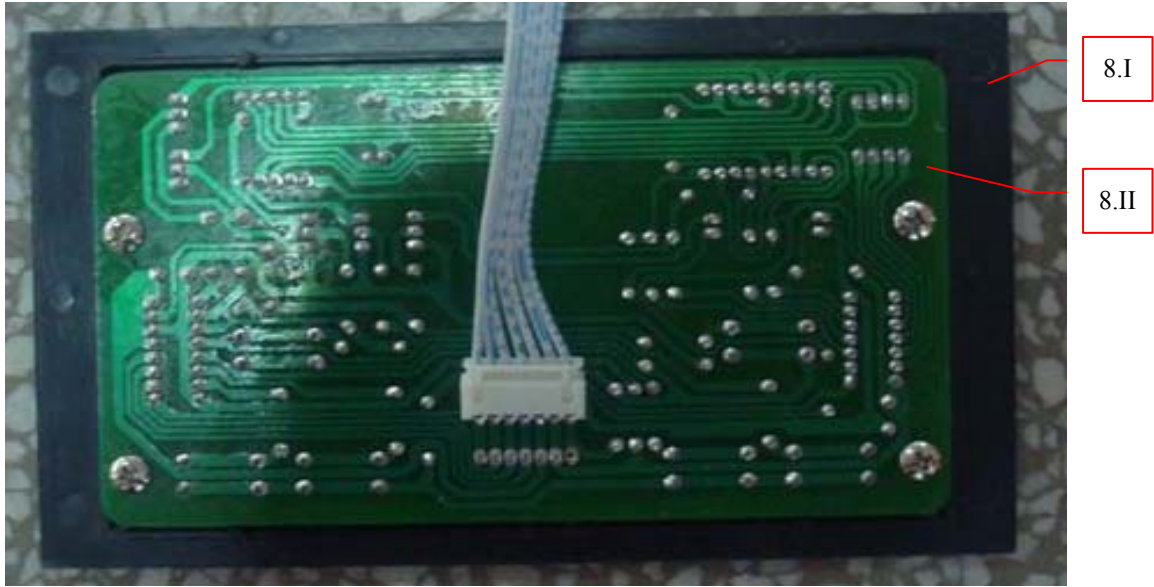
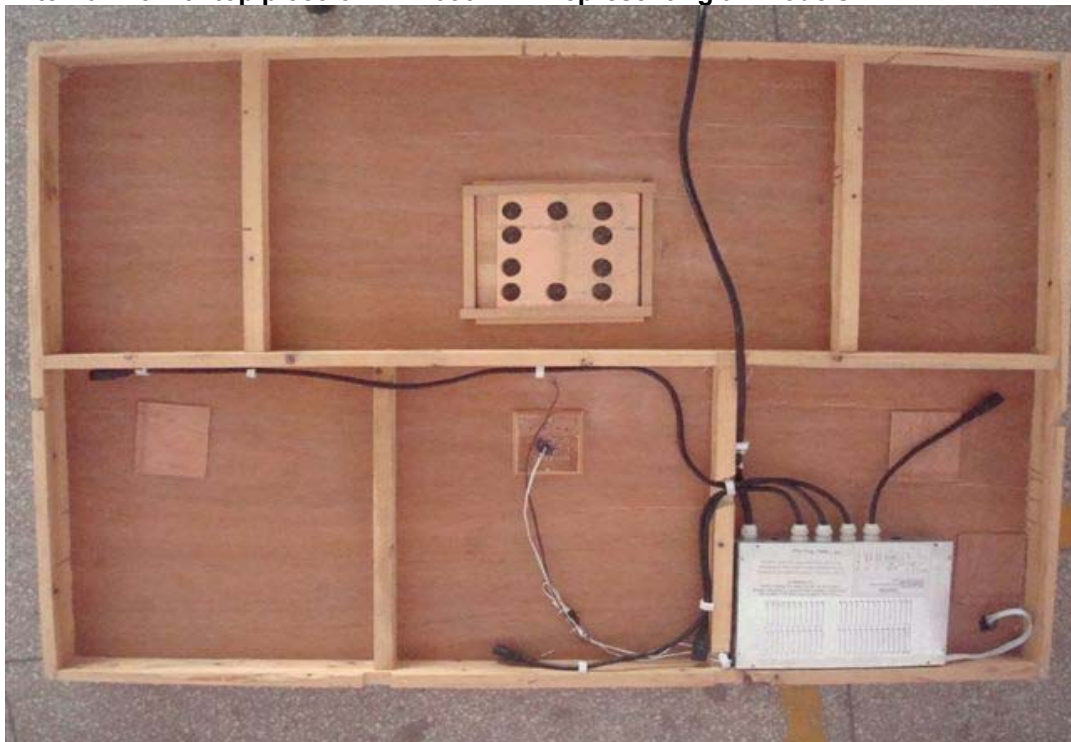


Photo 36 - Internal view of top piece of FRB-033LFCT representing all models



duct Photographs

Photo 37 - Interconnection Cord of FRB-033LFCT with metal tube representing all models

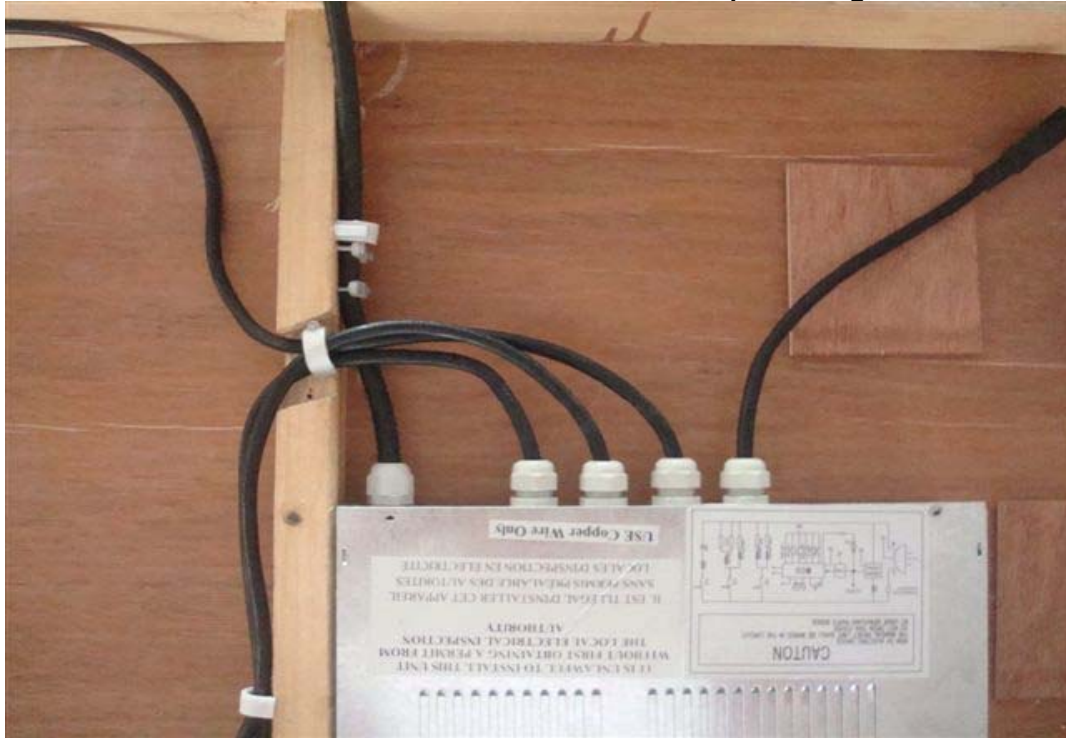


Photo 38 - Interconnection cord with coupler of FRB-033LFCT representing all models

9.XII



duct Photographs

Photo 39 - Internal view of control box of FRB-033LFCT representing all models

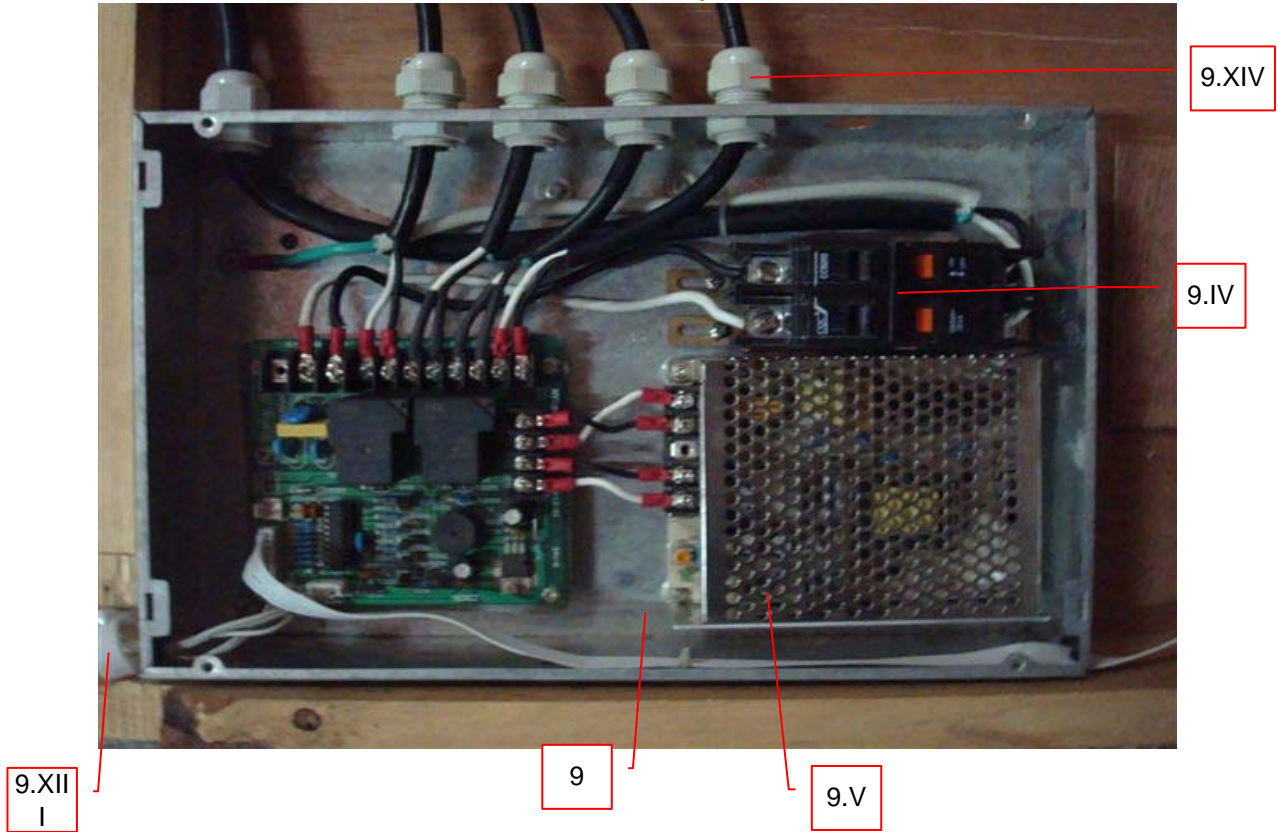


Photo 40 - Bushing of control box



Product Photographs

Photo 41 - Grounding of FRB-033LFCT representing all models

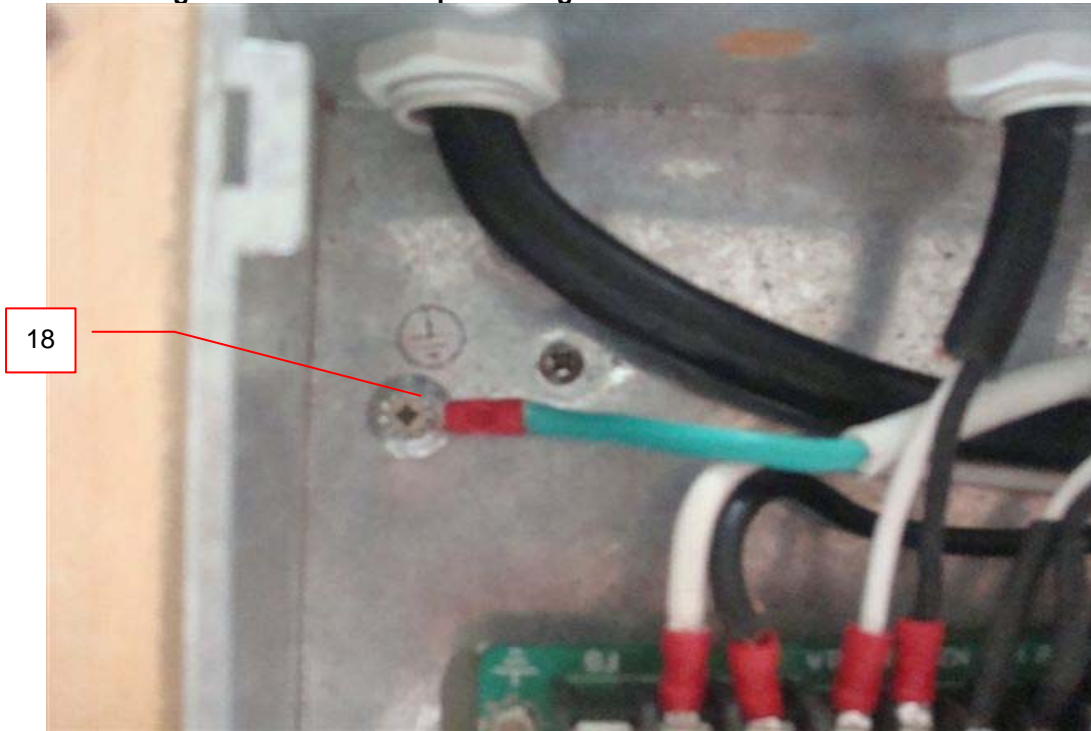
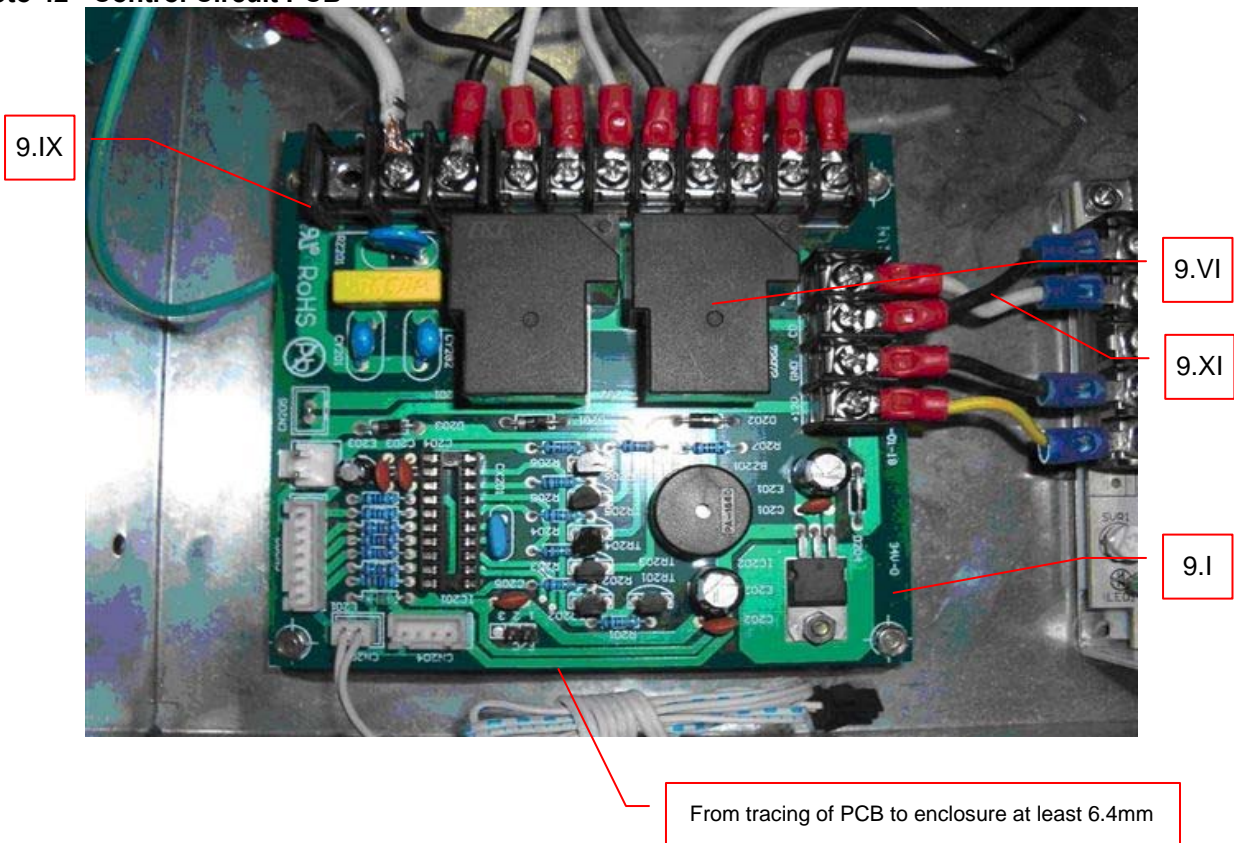
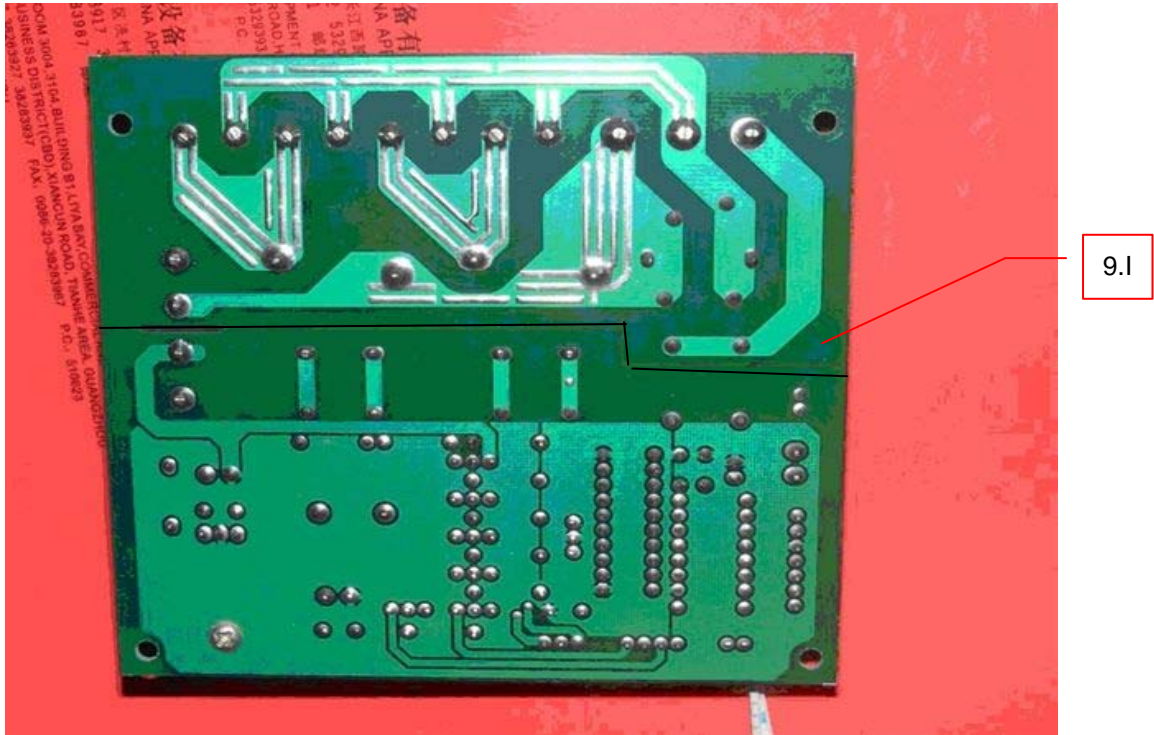


Photo 42 - Control Circuit PCB



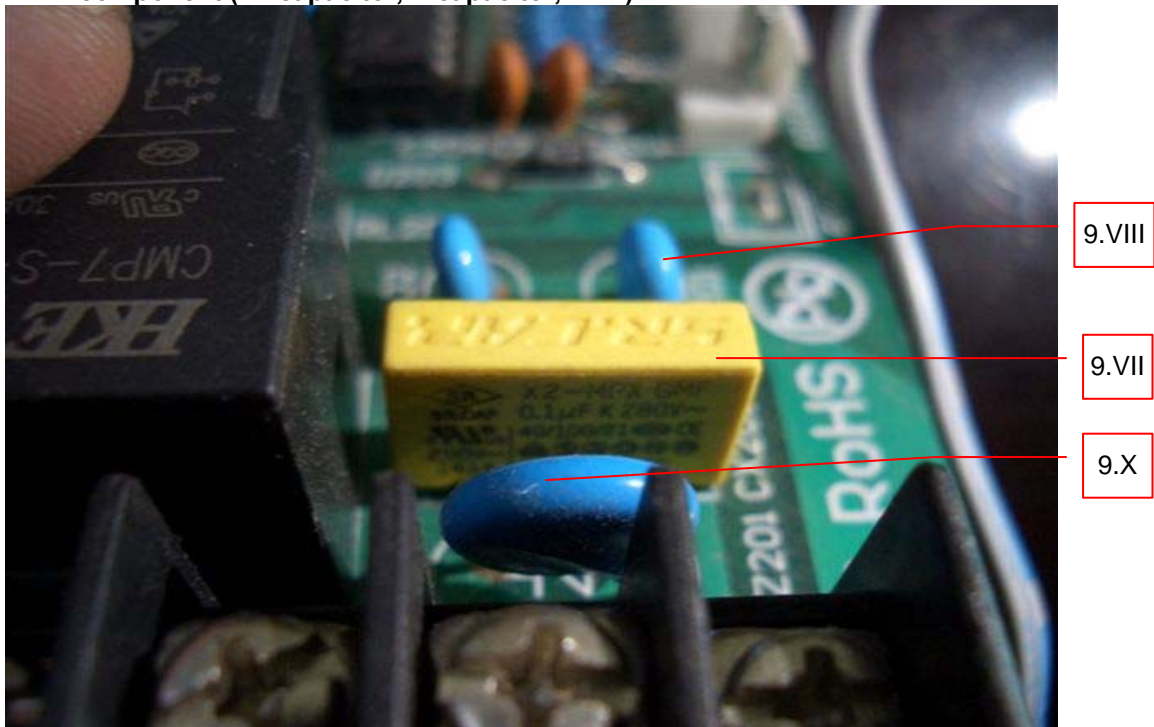
Product Photographs

Photo 43 - Control Circuit PCB



Note: The area above black line covers Line-voltage circuits
The area below black line covers Low-voltage circuits
The spacing from Line-voltage circuits and low-voltage circuits is more than 6.4mm

Photo 44 - EMC component (X2 capacitor, Y capacitor, VDR)



duct Photographs

Photo 45 - Industrial laminate and Plastic Boss under Control Circuit PCB

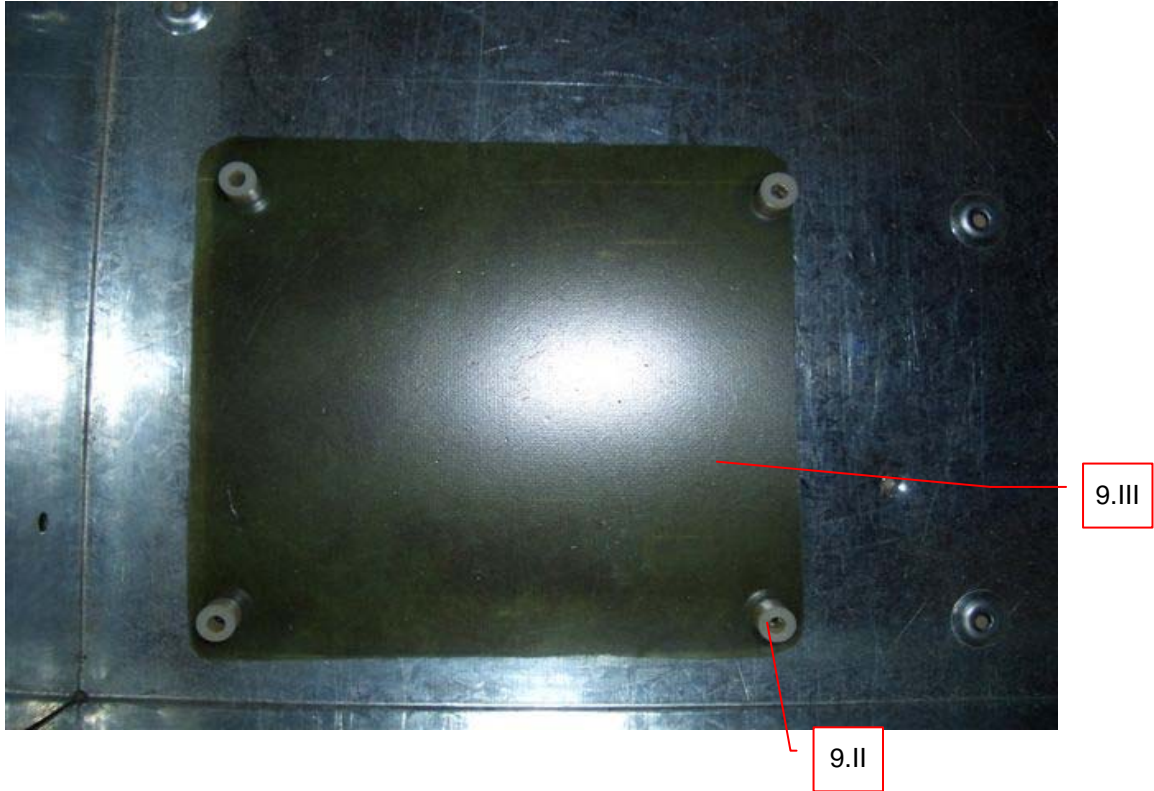


Photo 46 - Terminal box of heater



duct Photographs

Photo 47 - Heater (I) and Heater (III)



Photo 48 - Heater (III)



duct Photographs

Photo 49 - Back view of Heater (III)



16.V

Photo 50 - Metal conduit of heater



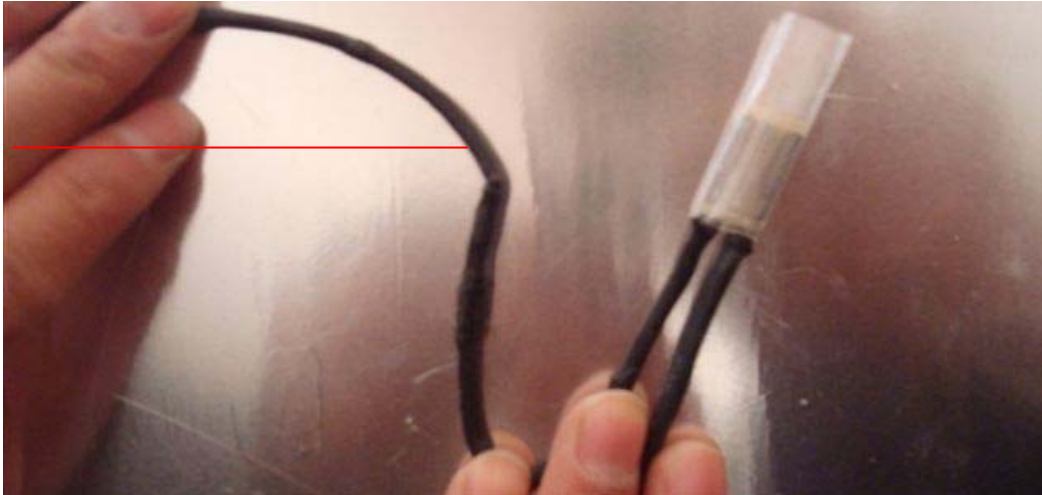
16.I
X

16.VIII

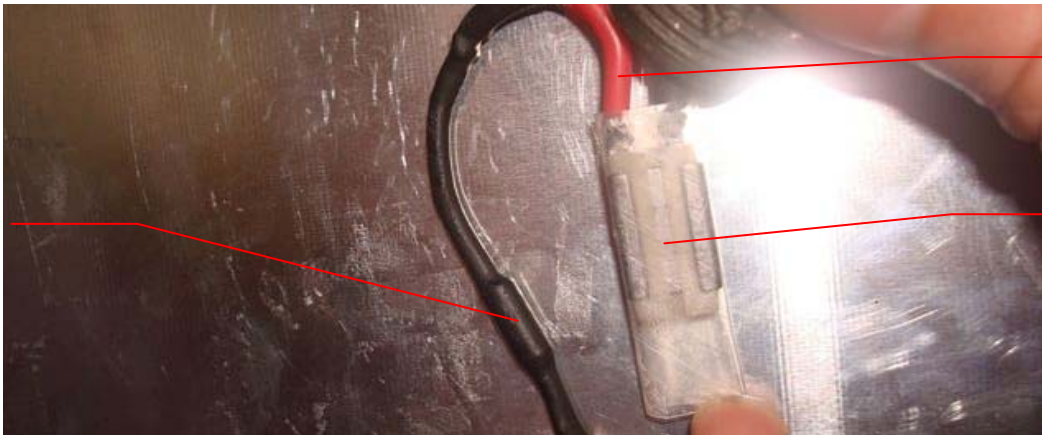
duct Photographs

Photo 51 - Thermostat and Thermal Cutoff

16.VI



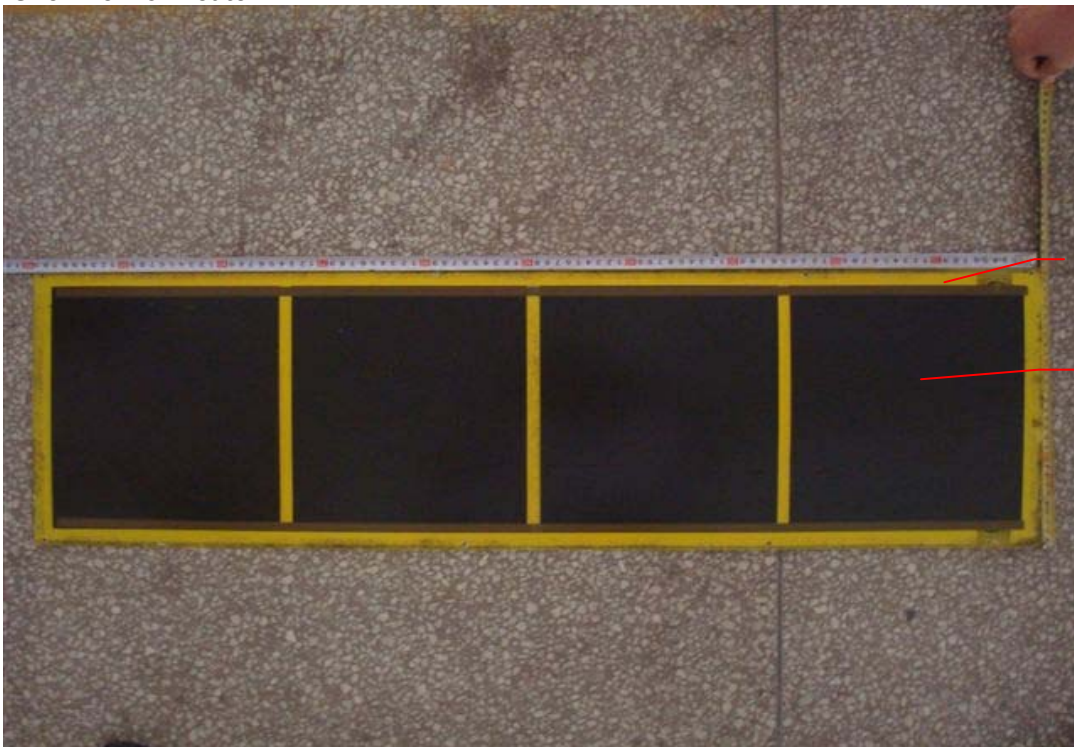
16.IV



16.VII

16.III

Photo 52 - Over view of Heater

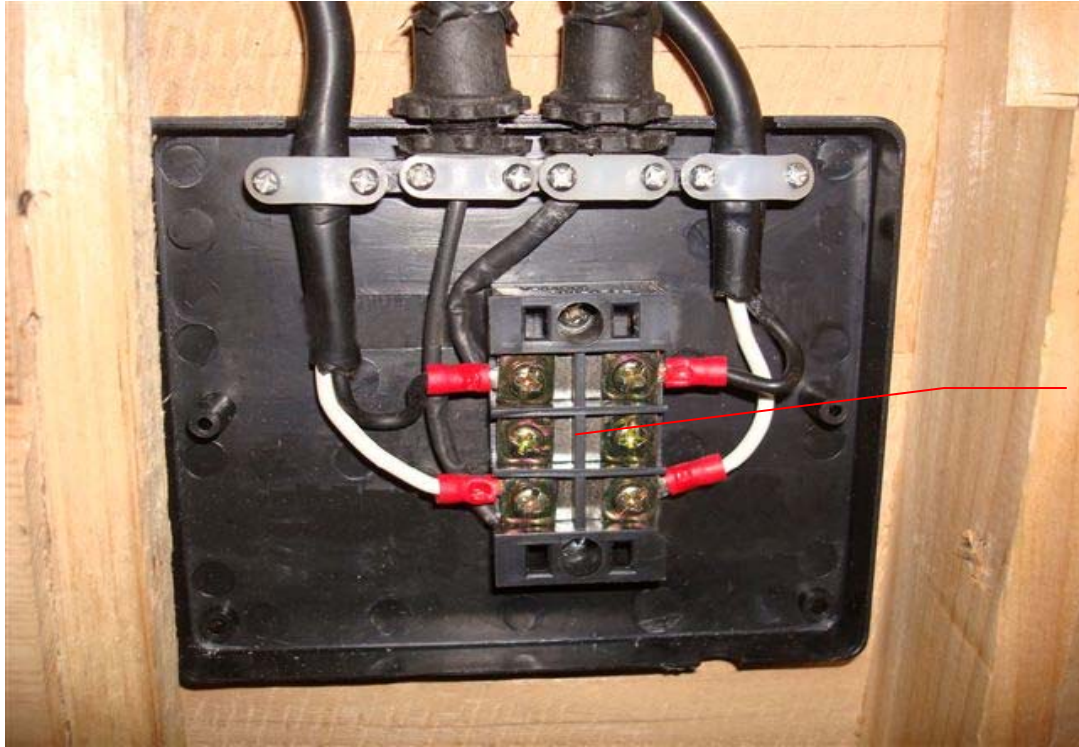


16.I

16.II

duct Photographs

Photo 53 - Terminal Box of Heater



11

Photo 54 - Terminal box of Heater



duct Photographs

Photo 55 - Male Plug of the Coupler with Interconnection Cord.



4.0 Critical Components

Model	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
FRB-022LEBT	A	A	√	√	B	√	√	√	√	√	√	√	--	√	--	√	√	√
FRB-022LECT	A	A	√	√	B	√	√	√	√	√	√	√	--	√	--	√	√	√
FRB-022LFT	A	A	√	√	B	√	√	√	√	√	√	√	--	√	--	√	√	√
FRB-033LBT	B	B	√	√	B	√	√	√	√	√	√	√	√	--	√	--	√	√
FRB-033LFBT	B	B	√	√	B	√	√	√	√	√	√	√	√	--	√	--	√	√
FRB-033LFCT	B	B	√	√	B	√	√	√	√	√	√	√	√	--	√	--	√	√
FRB-033LFT	B	B	√	√	B	√	√	√	√	√	√	√	√	--	√	--	√	√
FRB-033LWT	B	B	√	√	A	√	√	√	√	√	√	√	√	--	√	--	√	√
FRB-044LBT	B	B	√	√	B	√	√	√	√	√	√	√	√	--	√	--	√	√

Note: 1)Symbol "√" means the model has this item.
 2)Symbol "--" means the model doesn't have this item.
 3)Symbol "A", "B" or other letters listed under the numbers in the table above mean the model has the item marked respectively with "A", "B" or other letters.
 Eg.: FRB-022LEBT has Plug with Item no 1A below in the description table while FRB-033LFBT has the one with Item no 1B.

Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
18	1A	Plug	NINGBO YUNHUAN ELECTRONICSGROUP CORP (E137398)	YY-3G	Rated 125V, 15A. NEMA type 5-15P.	cULus
17	1B	Plug	YUNG LI CO LTD (E152635)	YP-90L	Rated 125V, 30A. NEMA type 5-20P.	cULus
18	2A	Supply Cord	NINGBO QIAOPU ELECTRIC CO LTD (E247978)	SJT 14AWG-3C	Rated 600V, 105°C. Overall 1.8-2.04m long from the faces of attachment plugs.	cULus
17	2B	Supply Cord	YUNG LI CO LTD (E241374)	SJT 12AWG-3C	Same as above.	cULus
1, 2, 3, 4, 5, 6, 7, 8, 9	3	Wood Enclosure	Anhui Saunaking Co., Ltd. (3096313SAT-001)	Hemlock	Flame spread index 25, Smoke developed index 125. Incorporated several wall panels, a bottom panel and a ceiling panel. The wall panels are embedded in the grooves of the bottom panel and ceiling panel.	ETL
1, 2, 3, 4, 5, 6, 7, 8, 10	4	Glass	HEFEI YAXING GLASS CO LTD.	Tempered glass	Overall 5mm thickness.	NR
--	5A	Ventilation Opening	--	--	Consists of following two types.	NR
28	I	Inlet Ventilation	--	--	Provided total 10 openings located at the floor inside Wood Enclosure, each is 3cm OD.	NR
30	II	Outlet Ventilation	--	--	Provide total 10 opening located at the ceiling of the room, each is 3cm OD.	NR

Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³																														
--	5B	Ventilation Opening	--	--	Same as item 5A, except below item.	NR																														
27	I	Inlet Ventilation	--	--	Provided total 10 openings located at the bottom of the wall inside the room. Each is 3cm OD. And provided with 12 openings located at same place of the wall outside the room, dimension approximately 7.5mm by 215mm.	NR																														
30	6	Lamp Assembly	--	--	Consists of LED, PCB Board, LED Internal Wiring.	NR																														
30	I	LED	BEIJING POTOELECTRON ICS CO., LTD.	MT148C4	Rated 12V, 1.2W. See table below for details. Each LED light includes 18 LED. Trap fitted in Wood Enclosure and integral with a glass guard.	NR																														
<table border="1"> <thead> <tr> <th>Model</th> <th>FRB- 022LEB</th> <th>FRB- 022LEC</th> <th>FRB- 022LF</th> <th>FRB- 033LB</th> <th>FRB- 033LF</th> <th>FRB- 033LFB</th> <th>FRB- 033LFC</th> <th>FRB- 033LW</th> <th>FRB- 044LB</th> </tr> </thead> <tbody> <tr> <td>Amounts of indoor lamps</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>Amounts of outdoor lamps</td> <td>3</td> <td>0</td> <td>3</td> <td>3</td> <td>0</td> <td>3</td> <td>0</td> <td>3</td> <td>3</td> </tr> </tbody> </table>							Model	FRB- 022LEB	FRB- 022LEC	FRB- 022LF	FRB- 033LB	FRB- 033LF	FRB- 033LFB	FRB- 033LFC	FRB- 033LW	FRB- 044LB	Amounts of indoor lamps	1	1	1	1	1	1	1	1	1	Amounts of outdoor lamps	3	0	3	3	0	3	0	3	3
Model	FRB- 022LEB	FRB- 022LEC	FRB- 022LF	FRB- 033LB	FRB- 033LF	FRB- 033LFB	FRB- 033LFC	FRB- 033LW	FRB- 044LB																											
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32	II	PCB Board	KUNSHAN HUAXIN CIRCUIT BOARD CO LTD. (E227809)	Single layer PWB HX-SA	Rated 94V-0, 120°C. Overall 1.6mm.	UR																														
32	III	LED Internal Wiring	Any	2486 24AWG	Rated 300V, 90°C. Connected LED Lamp to Control Pannel PCB.	UR																														
31	7	Insulating guard for temperature sensor	SHANGHAI JINCHANG ENGINEERING PLASTICS CO LTD (E172033)	PP 2654	Rated V-0 at 0.75m thick, HWI-4, HAI-0, RTI-115.	cURus																														
19, 20, 33, 34, 35	8	Control Pannel Assembly	--	--	Consists of following parts.	NR																														
35	I	Mounting Laminate	SHANGHAI JINCHANG ENGINEERING PLASTICS CO LTD (E172033)	PP 2654	Rated V-0 at 0.75m thick, HWI-4, HAI-0, RTI-115. Overall 2.5mm thick. Secured to Wood Enclosure by screws.	UR																														
35	II	Control Pannel PCB	KUNSHAN HUAXIN CIRCUIT BOARD CO LTD. (E227809)	Single layer PWB HX-SA	Rated 94V-0, 120°C. Overall 1.6mm. Consists of a power control button, two adjustment buttons for temperature, a light control which is independent of power switch control, a time control for max. 60 min.working and a temperature control for max. 60°C.	UR																														

Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
33	III	Interconnection Cord to Control Pannel	YUEQING BOYUAN ELECTRONIC WIRE & CABLE CO LTD (E203561)	2468	Rated 80°C, 300V. Connected from Control Circuit PCB to Control Pannel PCB.	UR
19	IV	Pressure-sensitive System	KK ENTERPRISE CO LTD (MH13600).	KK-Tack-TLT50	Rated -20-125°C.	UR
36, 39	9	Control Circuit Assembly	--	--	Nested in a steel box in top piece. Consists of following major parts.	NR
42, 43	I	Control Circuit PCB	KUNSHAN CITY HUA SHENG CIRCUIT (E229877)	HS-S	Rated 94V-0, 130°C. Overall 1.6mm thick. Provided with 4 plastic bosses under Control Circuit PCB with Insulated Layer between them. Secured to steel box by screws.	cURus
			KINGBOARD LAMINATES (MACAO COMMERCIAL OFFSHORE) LTD. (E123995)	KB-7150 or 6160A		
45	II	Plastic Boss	SHANGHAI JINCHANG ENGINEERING PLASTICS CO LTD (E172033)	PP 2654	Rated V-0 at 0.75m thick, HWI-4, HAI-0, RTI-115. Overall 8mm OD by 10mm high.	cURus
45	III	Insulated Layer	CHANGZHOU ZHONGYING SCIENCE & TECHNOLOGY CO LTD (E311392)	Industrial Laminates ZY-140	Rated V-0 at 1.4mm, HAI-0, HWI-0, RTI-130. Overall 0.4mm thick.	UR
39	IV (a)	Circuit Breaker	QICHENG ELECTRICAL EQUIPMENT CO LTD. (E313354)	CBB160	Rated 120Vac/250Vac, 15A for for all models which rated input is 1600W.	cURus
39	IV (b)	Overcurrent Protector	Same as above	CBB160	Rated 120Vac/250Vac, 20A for for all models which rated input is 2100W.	cURus
39	V	Switching Power.	MEAN WELL ENTERPRISES CO LTD (E183223)	PS-45-12	Rated input 100-240V~, 50/60Hz, rated output: 12Vdc, 3.7A.	cURus
42	VI	Relay for Heater	ZHEJIANG HKE RELAY CO LTD. (E164730)	CMP7-S-DC12V A	Rated Coil: 12VDC, Contactor: 125VAC, 30A. Endurance: 100000 cycles.	cURus

Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
44	VII	X2 Capacitor	SHENZHEN SURONG CAPACITORS CO LTD (E246678)	MPX/MPK	Rated 250V~, 0.1uF.	UR
			OKAYA ELECTRIC INDUSTRIES CO LTD (E47474)	XE104		
44	VIII	Y Capacitor	ULTRA TECH XIPHI ENTERPRISE CO LTD (E183780)	HQX	Rated 250V~, 0.0022uF.	UR
42	IX	Terminal Block	JIE KE ELECTRONICS CO LTD. (E228313)	JK25	Rated 300V, 10A.	UR
			Same as above	JK45	Rated 300V, 25A.	UR
			EGSON ELECTRONICS CO LTD. (E228872)	DG25	Rated 300V, 15A	UR
			Same as above	DG45	Rated 300V, 25A	UR
44	X	Transient voltage surge suppressors	JOYIN CO LTD (E153360)	10N271	Mechanical secured and welded in PCB	UR
			DON'S ENTERPRISE CO LTD (E145276).	10D271		
42	XI	Internal Wiring	JIANGYIN ZHIJUN APPLIANCE ELECTRIC CABLE & WIRE CO LTD (E301946)	3135 18AWG	Rated 600V, 200°C.	UR
38	XII	Coupler with Interconnection Cord	NINGBO QIAOPU ELECTRIC CO LTD (E247978)	SJT 18AWG-2	Rated 600V, 105°C. Integral with recognized femal plug, which is rated 10A, 125V.	UR
39	XIII	Press Type Strain Relief	BEIJING TONSAN ADHESIVE CO LTD (E253998)	RTV 1527(a)	Rated HB at 0.5mm, HWI-4, HAI-0, RTI-105, all.	UR
39	XIV	Compressive Type Strain Relief	HEAVY POWER CO LTD (E107293)	5N-4	Rated V-2. Compressive type.	UR
31	XV	Temperature sensor	Hefei Sensing Electronic Co., Ltd.	MFE	Rated: -10°C to +110°C. Nested in Wood Enclosure	NR
24, 46, 53, 54	10	Terminal box	SHANGHAI JINCHANG ENGINEERING PLASTICS CO LTD (E172033)	PP 2654	Rated V-0 at 1.5mm, RTI-115, HWI-3, HAI-0, RTI-115, all color. Overall 2mm thick.	cURus

Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
53	11	Terminal Block	HUANGZHONG ELECTRICAL EQUIPMENT CO LTD OF SHUNDE FOSHAN (E225297)	TC1-2	Fixed in the terminal box in the wall. Rated 450V, 20A.	UR
23	12	Aramid Insulating Paper	E I DUPONT DE NEMOURS & CO INC. (E34739)	Aramid Insulating Paper, "Nomex", furnished as sheets 410	Rated V-0 at 0.18mm, HWI-0, HAI-1, RTI-220, NC. Overall 0.18mm thick.	UR
47	13	Heater (I)	Kunshan Huaxin Circuit Board Co., Ltd.	FRB-B800300	Rated 120V, 60Hz, 220W, 800mm by 300mm. Consists of same components as Heater (III)	See 5.0
1	14	Heater (II)	Kunshan Huaxin Circuit Board Co., Ltd.	FRB-B1000200	Rated 120V, 60Hz, 160W, 1000 mm by 200 mm. Consists of same components as Heater (III)	See 5.0
47	15	Heater (III)	Kunshan Huaxin Circuit Board Co., Ltd.	FRB-B1000300	Rated 120V, 60Hz, 270W, 1000 mm by 300 mm. The construction of heater consists of carbon fiber papers and copper strips between two layers PCB on back side and three layers PCB on front side. The heating pads are secured to wall by screws with its wooden frame. Consists of following components:	See 5.0
1	16	Heater (IV)	Kunshan Huaxin Circuit Board Co., Ltd.	FRB-B1000400	Rated 120V, 60Hz, 360W, 1000 mm by 400 mm. Consists of same components as Heater (III)	See 5.0

The following table shows the numbers and models of Heater on each Model

Model	Heater (I)	Heater (II)	Heater (III)	Heater (IV)
FRB-022LEBT	---	1	---	4
FRB-022LECT	---	1	---	4
FRB-022LFT	---	1	---	4
FRB-033LBT	2	---	6	---
FRB-033LFBT	2	---	6	---
FRB-033LFCT	2	---	6	---
FRB-033LFT	2	---	6	---
FRB-033LWT	2	---	6	---
FRB-044LBT	2	---	6	---

55	17	Coupler with Interconnection Cord	NINGBO QIAOPU ELECTRIC CO LTD (E247978)	SJT 18AWG-2	Rated 600V, 105°C. Integral with recognized male plug, which is rated 10A, 125V. Connected with female plug of Control circuit assembly to Heater.	UR
----	----	-----------------------------------	---	-------------	--	----

Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
41	18	Grounding	--	--	Green conductor from Power Inlet terminated to the steel box of Control Circuit Assembly with a steel close ring tab and a Min. No. 6 screw which is engaged with min 2 threads. Provided with a legal grounding identification next to the screw.	NR

NOTES:

- 1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.
- 2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s)
- 3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and

5.0 Critical Unlisted CEC Components

HEATER ELEMENT				
Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
47	15	Heater (III)	Kunshan Huaxin Circuit Board Co., Ltd.	FRB-B1000300
Electrical Rating:		See section 4.0 for reference		
Component Standard used:		UL875 CSA164		

MATERIALS LIST				
Item No.	Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
I	Industrial Laminates	KUNSHAN HUAXIN CIRCUIT BOARD CO LTD. (E227809)	Ultrathin industrial laminate HX-SA	Fig. 52. Rated V-0, 120°C. 0.2 mm thick. Provided with two copper strips on two ends acting as electrodes.
II	Carbon Fiber Paper	JUJO CHEMISTRY CO.,LTD	CH-11	Fig. 52. 0.20um thick approximately.
III	Thermostat	CHWEN-DER THERMOSTAT & CO LTD. (E75072)	CD79F085	Fig. 51. Rated 120V, 60Hz, 5A, 85°C, 100K cycles. The thermostat was covered by recognized insulated tape and pressed under fixed wood.
IV	Thermal Cutoff	THERM-O-DISC INC, SUB OF EMERSON ELECTRIC CO (E40667)	G4A01	Fig. 51. Thermal Link, single action device. Rated 125V, 10A, 110°C. The thermal cutoff were covered by recognized insulated tape and pressed under fixed wood.
V	Insulated Tape	PERMACEL (E20392)	P-212	Fig. 49. Rated 200°C, VW-1, white, 0.191mm thick.
VI	Heat Shrinkable Tubing	SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO LTD (E203950)	RSFR-X	Fig. 51. Rated 600V, 125°C, FR-1, 4/5mm. Two layers heating shrinkable tubing employed to protect the insulation of internal wire.
VII	Internal Wiring	JIANGTIN ZHIJUN APPLIANCE ELECTRIC CABLE & WIRE CO LTD (E301946)	3135 18AWG	Fig. 51. Rated 200°C, 600V. Single-conductor, thermoset insulation. Sleeved by heatshrinkable tubing and metal conduit.
VIII	Metal Conduit	KAIPHONE COMMUNICATIO N CO LTD (E238089)	XRW-5/16	Fig. 50. Rated 5/16inch, used for Internal Wiring for Heater to enclosed all wirings near wood.
IX	Paste	DONG GUAN SHI PAI HUA CHUANG MATERIAL FTY (E304477)	Epoxy Potting Compound H907	Fig. 50. Rated V-0 at 1.0mm, RTI-90, BK.

VERIFICATION PROCESS			
Frequency: Annual	Test Site: CEC	Number of samples to test: 1	
Test Name	Test Parameters		
Winding resistance	See resistance per element above.		
Dielectric Strength	Apply voltage Between	Test Voltage	Test Time
	Live parts and reinforce insulation	3750	60s

6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Spacing - In primary circuits, a minimum of 1.6mm spacing is maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity and between current-carrying parts and dead-metal parts. A minimum of 6.4mm spacing is maintained through air and over surfaces of insulating material between live parts and a conductive enclosure.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a metal or non-metallic enclosure constructed with no openings other than those specifically described in Sections 4 and 5.
5. Grounding - All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed to contact during any servicing operation and that are likely to become energized are reliably connected to the grounding terminal lead of the power supply cord or the equipment grounding terminal.
6. Polarized Connection - This product is provided with a polarized power supply connection. All single pole switches and fuses are connected only to the ungrounded supply circuit conductor.
7. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets. All wiring is minimum 18 AWG, with a minimum rating of 600V, 200°C.
8. Schematics - Refer to Illustration No 3 to 4 for schematics requiring verification during Field Representative Inspection Audits.
9. Markings - Refer to illustration 1 for details.
10. Cautionary Markings - Refer to illustration 2 for details
11. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. Refer to Illustration No 5 for details.


Note:


Bilingual Markings for products with ETL Mark with the C indicator or ETL Mark with C and US indicators. Jurisdictions in Canada may require these markings also to be in French. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the products, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities.

7.0 Illustrations


Illustration 1 - 5


Illustration 1 - Markings


Model: FRB-033LFCT
SN of manufacture: *****
Rated Voltage: 120Vac
Rated Frequency: 60Hz
Input Power: 2100W
Made in China


Intertek
3189823

CONFORMS TO
UL STD. 875
CERTIFIED TO
CAN/CSA STD.
C22.2 No. 164


Model: FRB-033LWT
SN of manufacture: *****
Rated Voltage: 120Vac
Rated Frequency: 60Hz
Input Power: 2100W
Made in China


Intertek
3189823

CONFORMS TO
UL STD. 875
CERTIFIED TO
CAN/CSA STD.
C22.2 No. 164


Model: FRB-044LBT
SN of manufacture: *****
Rated Voltage: 120Vac
Rated Frequency: 60Hz
Input Power: 2100W
Made in China


Intertek
3189823


CONFORMS TO
UL STD. 875
CERTIFIED TO
CAN/CSA STD.
C22.2 No. 164


7.0 Illustrations


Model: FRB-022LEBT
SN of manufacture: *****
Rated Voltage: 120Vac
Rated Frequency: 60Hz
Input Power: 1600W
Made in China


Intertek
3189823

CONFORMS TO
UL STD. 875
CERTIFIED TO
CAN/CSA STD.
C22.2 No. 164


Model: FRB-022LECT
SN of manufacture: *****
Rated Voltage: 120Vac
Rated Frequency: 60Hz
Input Power: 1600W
Made in China


Intertek
3189823


CONFORMS TO
UL STD. 875
CERTIFIED TO
CAN/CSA STD.
C22.2 No. 164


Model: FRB-022LFT
SN of manufacture: *****
Rated Voltage: 120Vac
Rated Frequency: 60Hz
Input Power: 1600W
Made in China



Intertek
3189823

CONFORMS TO
UL STD. 875
CERTIFIED TO
CAN/CSA STD.
C22.2 No. 164


7.0 Illustrations




Model: FRB-033LBT
SN of manufacture: *****
Rated Voltage: 120Vac
Rated Frequency: 60Hz
Input Power: 2100W
Made in China


Intertek
3189823

CONFORMS TO
UL STD. 875
CERTIFIED TO
CAN/CSA STD.
C22.2 No. 164



Model: FRB-033LFT
SN of manufacture: *****
Rated Voltage: 120Vac
Rated Frequency: 60Hz
Input Power: 2100W
Made in China


Intertek
3189823

CONFORMS TO
UL STD. 875
CERTIFIED TO
CAN/CSA STD.
C22.2 No. 164



Model: FRB-033LFBT
SN of manufacture: *****
Rated Voltage: 120Vac
Rated Frequency: 60Hz
Input Power: 2100W
Made in China


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CONFORMS TO
UL STD. 875
CERTIFIED TO
CAN/CSA STD.
C22.2 No. 164

7.0 Illustrations

For Heater

120V 270W
60Hz
FRB-B1000300
Kunshan huaxin circuit board co.,ltd

120V 220W
60Hz
FRB-B800300
Kunshan huaxin circuit board co.,ltd

120V 360W
60Hz
FRB-B1000400
Kunshan huaxin circuit board co.,ltd

120V 160W
60Hz
FRB-B1000200
Kunshan huaxin circuit board co.,ltd

7.0 Illustrations

Illustration 2 - WARNING and CAUTION

IT IS UNLAWFUL TO INSTALL THIS UNIT WITHOUT FIRST OBTAINING A PERMIT FROM THE LOCAL ELECTRICAL INSPECTION AUTHORITY;

IL EST TLLÉ GAL D'INSTALLER CET APPAREIL SANS PERMIS PRÉ ALABLE DES AUTORITES LOCALES D'INSPECTION EN É LECTRICITÉ

For Household Use Only

USE Copper Wire Only



**WARNING
DANGER GÉNÉRAL**

REDUCE THE RISK OF ELECTROCUTION
Disconnect All Supply Connections Before Servicing
RISQUES D'ÉLECTROCUTION
Débrancher toutes les connexions avant d'effectuer le service et/ou la réparation



CAUTION

CAUTION :DO NOT INSULATE THE CEILING, WALLS OR FLOOR MORE THAN R-12

ATTENTION:NE PAS UTILISER UN ISOLANT D'UNE VALEUR SUPÉRIEURE À R-12 POUR PLAFOND, LES MURS OU LE PLANCHER.



**WARNING
DANGER GÉNÉRAL**

REDUCE THE RISK OF ELECTROCUTION AND BURNS
Do Not Operate Unless Guard Is In Place.
Interdiction d'apporter de l'eau et/ou une serviette mouillée



**WARNING
DANGER GÉNÉRAL**

REDUCE THE RISK OF FIRE
Do Not Place Combustible Material On Heater At Any Time.
RÉDUIRE LES RISQUES DE FEU



CAUTION

CAUTION :DO NOT INSTALL SHOWER HEADS OR WATER SPRAY DEVICES ABOVE THE SAUNA HEATER ;

ATTENTION:NE PAS INSTALLER DE POMMES DE DOUCHE NI D'AUTRES DISPOSITIFS D'ARROSAGE AU-DESSUS DU CHAUFFE-SAUNA.



CAUTION

CAUTION: THE MANUAL RESET LIMIT SHALL BE WIRED IN THE CIRCUIT

ATTENTION: INTERCALER LE LIMITEUR À RÉARMEMENT MANUEL DANS LE CIRCUIT



CAUTION

Excess Exposure Can Be Health.Persons With Poor Health Shold Consult Their Physicians Before Using Sauna

Une exposition Excessive Peut Être Nuisible À La Santé. Les Personnes Qui Ne Jouissent Pas D'une Bonne Santé Devraient Consulter Leur Médecin Avant D'utiliser Ce Sauna.




CAUTION

Excess Exposure Can Be Health.Persons With Poor Health Shold Consult Their Physicians Before Using Sauna

Une exposition Excessive Peut Être Nuisible À La Santé. Les Personnes Qui Ne Jouissent Pas D'une Bonne Santé Devraient Consulter Leur Médecin Avant D'utiliser Ce Sauna.

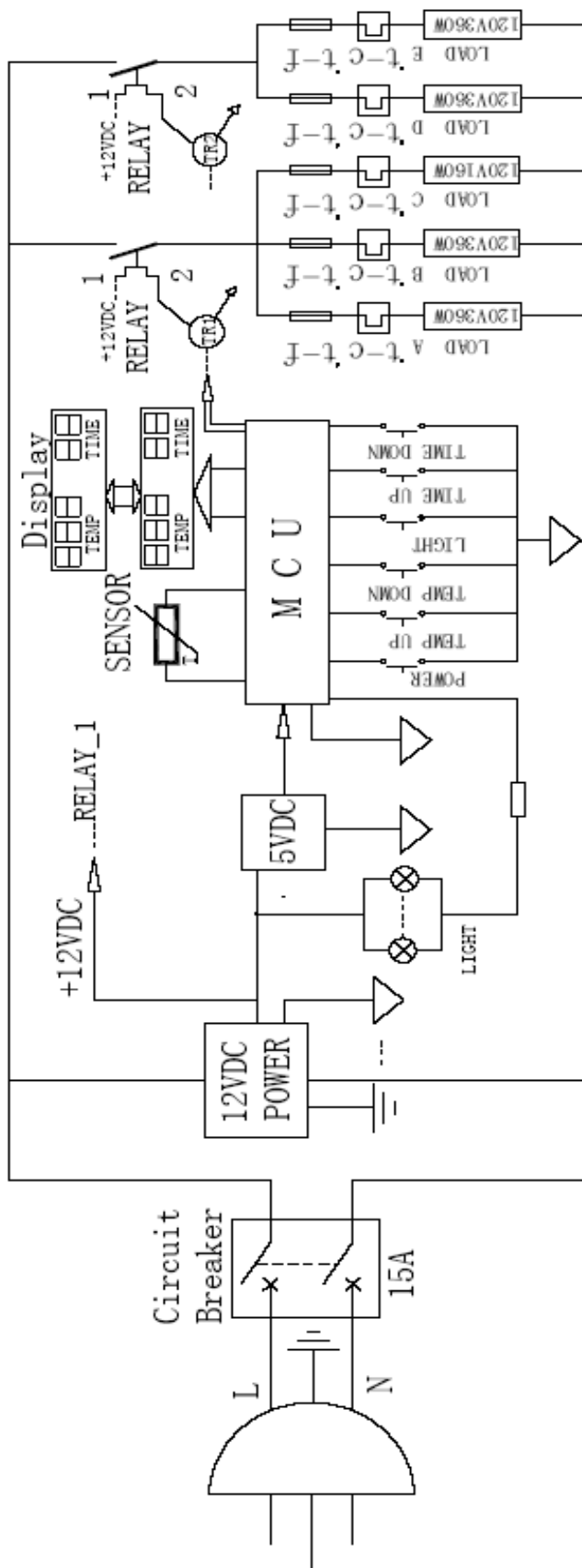
7.0 Illustrations

	<p>WARNING DANGER GÉNÉRAL</p>
<p>REDUCE THE RISK OF OVERHEATING</p> <ol style="list-style-type: none">1.Exit immediately if uncomfortable,dizzy,of sleepy.Staying too long in a heated area is capable of causing overheating.2.Supervise children at all times.3.Check with a doctor before use if pregnant,in poor health,or under medical care.4.Breathing heated air in conjunction with consumption of alcohol,or drugs,or medication is capable of causing unconsciousness.	
<p>RÉDUIRE LES RISQUES DE COUP DE CHALEUR</p> <ol style="list-style-type: none">1.Si vous ressentez un ou plusieurs de ces symptômes;étourdissements,fatigue ou inconfort,veuillez sortir immédiatement.Rester dans un environnement trop chaud pour une longue durée peut causer des coups de chaleur.2.Superviser les enfants en tout temps.3.Vérifier auprès de votre médecin avant d'utiliser si vous êtes enceinte,en mauvaise santé ou sous médicaments.4.La combinaison de la consommation d'alcool et d'un environnement chaud pourrait causer l'évanouissement.	

7.0 Illustrations

Illustration 3 - Schematic

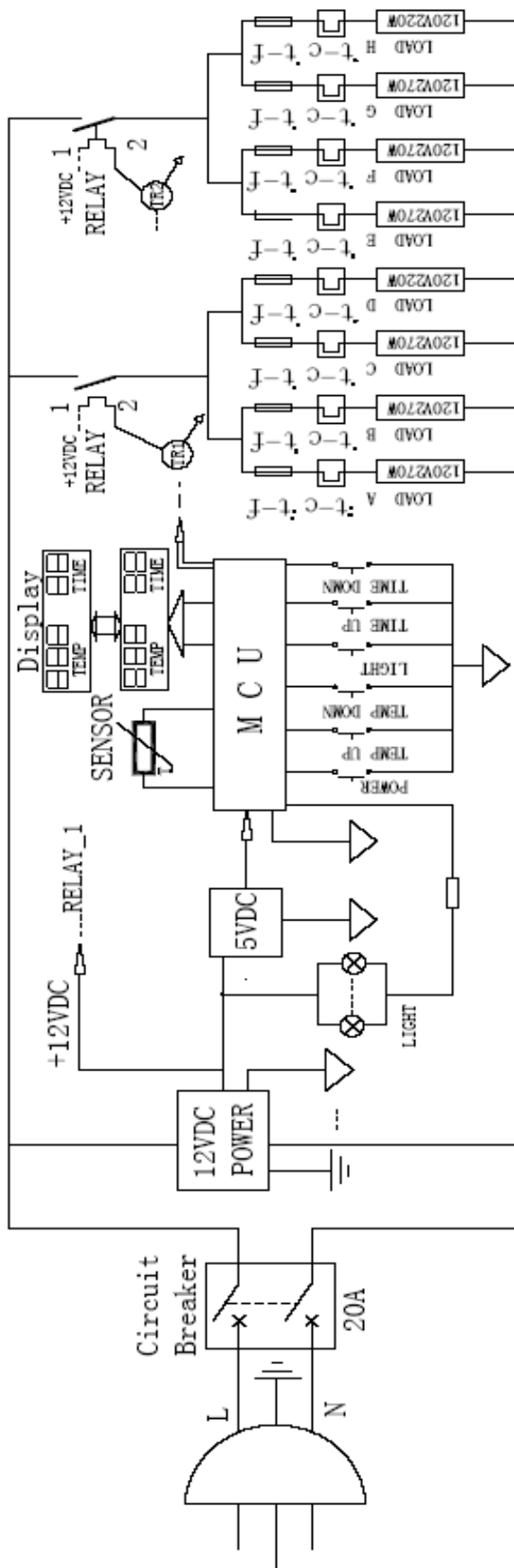
For models rated 1600W



7.0 Illustrations

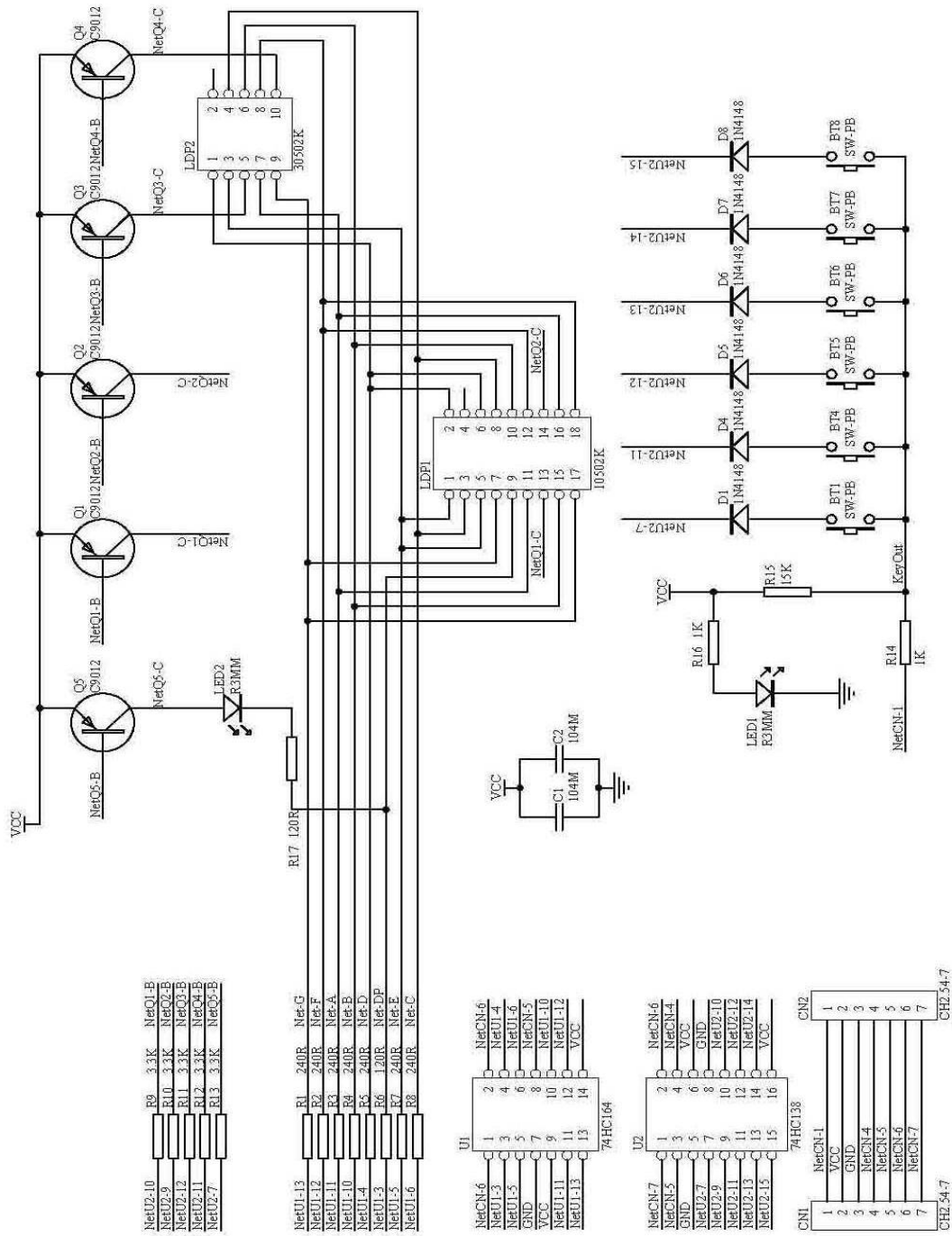
Illustration 3 - Schematic

For models rated 2100W



7.0 Illustrations

Illustration 4 - Schematic of Control panel



7.0 Illustrations

Illustration 5 - Manual

Note: Due to similar construction, the report only includes manual for 022 series for reference.

Instruction Manual

Anhui Saunaking Co., Ltd.

No. 34 Hehuan Road, High-Tech Development Zone, Hefei



FRB-022LEBT



FRB-022LECT



FRB-022LFT

Thank you for choosing our **Sauna Room**

7.0 Illustrations



ANHUI SAUNAKING CO., LTD

Index

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	Page
Important safety guides.....	2
Introduction.....	3
Benefits, Highlights.....	3
Electric parameter.....	3-4
Installation requirements.....	4
Installation procedure.....	4-8
Operation.....	9
Warnings.....	9-10
Trouble Shooting.....	10-11
Maintenance.....	11
Transportation.....	11
Packing List.....	11

7.0 Illustrations



ANHUI SAUNAKING CO., LTD

IMPORTANT SAFETY GUIDES

READ AND FOLLOW ALL INSTRUCTIONS

A) Reference to the warning marking provided with the heater, indicating the importance of attaching the marking. There are the relevant explanation for all kinds of warning notice, also there is the limite for the location of warning notice as below:

- 1) the hyperthermia warning marking should be located on the outside of the door at eye level.
- 2) The fire warning marking should be located on the interior wall above the heater at eye level.

B) A receptacle shall not be installed inside the heated room.

C) The door of the heated room do not include any locking or latching system, malfunction of which could cause entrapment inside the heated room.

D) Keep the intended ventilation open when use the dry-bath bathing room.

E) CAUTION: Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6°F(37°C). The symptoms of hyperthermia include an increase in the internal temperature of the body, dizziness, lethargy, drowsiness, and fainting. The effects of hyperthermia include:

- a) Failure to perceive heat;
- b) Failure to recognize the need to exit the room;
- c) Unawareness of impending hazard;
- d) Fetal damage in pregnant women;
- e) Physical inability to exit the room; and
- f) Unconsciousness.

WARNING – The use of alcohol, drugs, or medication is capable of greatly increasing the risk of fatal hyperthermia.

G) WARNING: REDUCE THE RISK OF ELECTROCUTION AND BURNS, DO NOT OPERATE UNLESS GUARD IS IN PLACE.

H) CAUTION: EXCESSIVE EXPOSURE CAN BE HARMFUL TO HEALTH. PERSONS WITH POOR HEALTH SHOULD CONSULT THEIR PHYSICIANS BEFORE USING SAUNA.

I) CAUTION: REDUCE THE RICK OF FIRE, DO NOT PLACE COMBUSTIBLE MATERIAL ON HEATER AT ANY TIME.

J) WARNING: REDUCE THE RISK OF OVERHEATING:

a)EXIT IMMEDIATELY IF UNCOMFORTABLE, DIZZY, OR SLEEPY, STAYING TOO LONG IN A HEATED AREA IS CAPABLE OF CAUSING OVERHEATING.

b)SUPERVISE CHILDREN AT ALL TIMES.

c) CHECK WITH A DOCTOR BEFORE USE IF PREGNANT, IN POOR HEALTH, OR UNDER MEDICAL CARE.

d) BREATHING HEATED AIR IN CONJUNCTION WITH CONSUMPTION OF ALCOHOL, DRUGS, OR MEDICATION IS CAPABLE OF CAUSING UNCONSCIOUSNESS.

K) WARNING: REDUCE THE RISK OF ELECTROCUTION, DISCONNECT THE SUPPLY CONNECT BEFORE SERVICING.

SAVE THESE INSTRUCTIONS

7.0 Illustrations



ANHUI SAUNAKING CO., LTD

Introduction

We welcome you to the most affordable **Sauna Room** in the nation! We also congratulate you on your new path to better health! Thousands of users enjoy the benefits of **Sauna Room** every day. **Sauna Room** help you burn calories, reduce toxins, relieve pain and even clear complexions. Now you can enjoy the great benefits of far-infrared heat within the privacy of your own home.

We strive to deliver superior home health products at an affordable price. Our list of clients grows daily and we believe that your success is our success. Our staff has over 15 years of combined professional experience and is ready to provide you with excellent customer service.

Highlights

- a. High quality craftsmanship
- b. Automatic thermostat for constant temperature
- c. Timer and buzzer: buzzer sounds 5 minutes before the end of session
- d. Digital sensor and thermometer

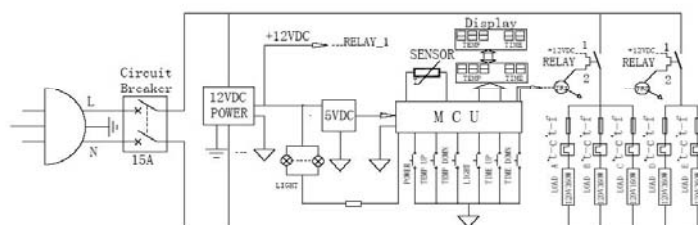
Electric parameter

- a. rated voltage:120Vac
- b. rated current:13.3A
- c. rated frequency:60Hz
- d. rated power:1600W
- e. char of electric principle

7.0 Illustrations



ANHUI SAUNAKING CO., LTD



*t-c:temperature controller 125V10A85 °C

*t-f:temperature fuse 125V10A110 °C

Installation

Installation requirements

- Do not plug any other appliances into the outlet with your our **Sauna Room** .
- Install the sauna on a completely level floor.
- Do not spray the exterior with water. If the floor is damp, install a floor separator to keep the sauna high & dry.
- Do not store flammable objects or chemical substances near the sauna.

Installation procedure

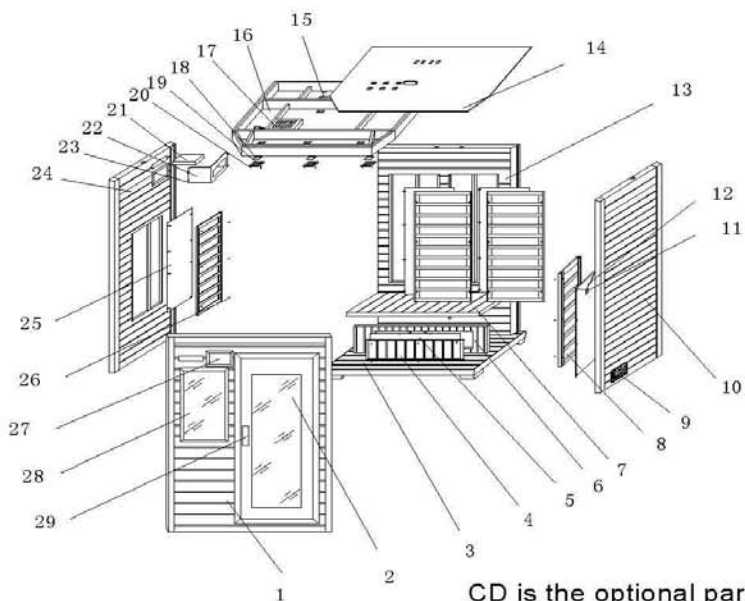
Sauna Room:

- Structure of **Sauna Room** . See FIG-1

7.0 Illustrations

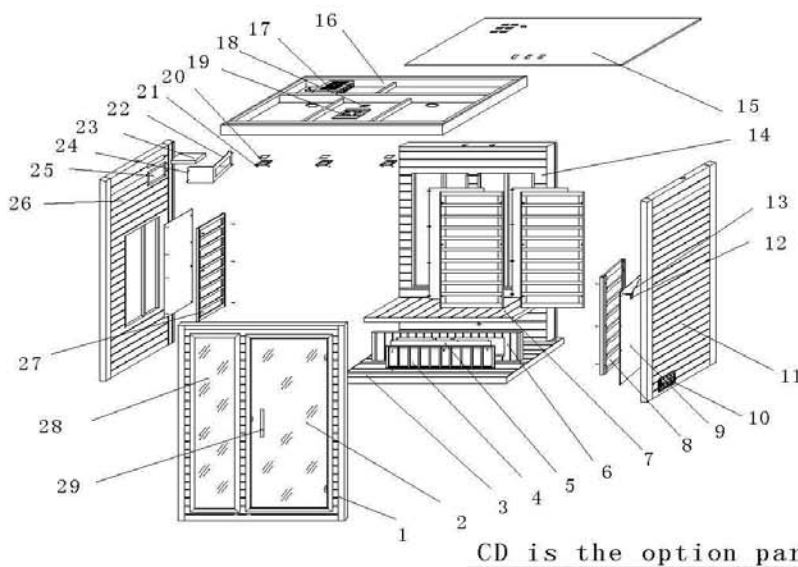


ANHUI SAUNAKING CO., LTD



FRB-022LFT

- 1. front board
- 2. door
- 3. bottom board
- 4. protect screen P1000160
- 5. heater B1000160
- 6. setting baffle
- 7. setting board
- 8. protect screen P1000400
- 9. inlet of air
- 10. right side board
- 11. temperature controller
- 12. temperature fuse
- 13. back board
- 14. external top board
- 15. outlet of air
- 16. internal top board
- 17. electric control box
- 18. light
- 19. lampshade
- 20. screw001
- 21. CD
- 22. CD box
- 23. screw 002
- 24. left side board
- 25. heater H002T
- 26. screw 003
- 27. digital panel
- 28. windowpane
- 29. doorknob



FRB-022LEBT/LECT

- 1. front board
- 2. door
- 3. bottom board
- 4. protect screen P001
- 5. heater H001T
- 6. setting baffle
- 7. setting board
- 8. protect screen P002
- 9. inlet of air
- 10. heater H002T
- 11. right side board
- 12. temperature controller
- 13. temperature fuse
- 14. back board
- 15. external top board
- 16. internal top board
- 17. electric control box
- 18. outlet of air
- 19. light
- 20. lampshade
- 21. screw001
- 22. CD box
- 23. CD
- 24. screw 002
- 25. digital panel
- 26. left side board
- 27. screw003
- 28. windowpane
- 29. doorknob

For optional CD, shall also be evaluated in end use product.

2. One unit is packed into two cartons. See FIG-2

7.0 Illustrations



ANHUI SAUNAKING CO., LTD



FIG-2 Two cartons



FIG-2.1 C/No.

Check the C/NO. on both cartons if they are the same. If not, please notify the store/website you purchased your Infrared Sauna. **3-persons sauna, corner sauna and 4-persons sauna are packed in 3cartons**, for example: C/NO: 002 1OF 3, C/NO: 002 2 OF 3 and C/NO: 002 3 OF 3 are for one unit; **1-person sauna and 2-persons sauna are packed in 2cartons**, for example: C/NO: 002 1OF 2 and C/NO: 002 2 OF 2 are for one unit. See **FIG-2.1**

Make sure all parts are present before installing the unit. See packing list below.

- A. User manual B. Bottom board C. Back Board D. Left side board E. Right side board
- F. Sitting baffle G. Sitting board H. Front board I. Internal top board J. External top board
- K. Screwdriver L. Towel shelf

4. Installation procedure.

Place the bottom board in the desired location of your sauna, and make sure which side is the front and which side is the back. See **FIG-3**.



FIG-3 Placing bottom floor



FIG-4 Assembling back board

5. Align the backboard with bottom board's corresponding battens; make sure they are in line. See **FIG-4**
6. Align the left board with bottom board's corresponding battens; make sure left board fits flush into backboard. See **FIG-5**



FIG-5 Assembling left board



FIG-6 Latching

7.0 Illustrations



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- 7. The latch has a guide tab that must be placed in the guide slot for alignment. Pick up the back panel (hold it upright to the floor panel) and place the tab in the slot, do not latch at this time. When the back wall and the front wall/side wall are set together on the floor panel, close and **latch it**. See **Figure 6**



FIG-7 Assembling right board



FIG-8 Assembling sitting board's support

- 8. Align the right board with bottom board's corresponding battens; make sure right board fits flush into backboard and latch together. See **FIG-6 and FIG-7**
- 9. Locate sitting baffle with heating element and slide it down vertically into the slot within the inside wall. Next, connect the bench's heater element wire to corresponding wire from the back wall, then locate sitting baffle and slide into place. See **Figure 7,8,9** Note: Make sure the wires are connected tightly, otherwise the heater will not work.



FIG-9 Connecting wire



FIG-10 Assembling bench

- 11. Put the sitting board horizontally on corresponding battens of the backboard. See **FIG-10**
- 12. Use screws to fix the bench onto back and sitting panel. See **FIG-11**



FIG-11 locked bench



FIG-12 Assembling front board

7.0 Illustrations



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- Align the front board with bottom board's corresponding battens, and then latch it with the left and right boards respectively. Notes: Take caution of the glass door to avoid damage. See FIG-12.
- Put all of the wires outside to leave enough space for setting up the top board. **See FIG-13.** Open the door, raise the top board high enough to see if it fits with the surrounding boards, then put down.



FIG-13 Setting the top board



FIG-14 Leading the wires of heaters onto the board through the corresponding hole

- During the course of putting down the internal top board, make sure all the wires (mentioned above) and connecting plugs are slipped through the corresponding holes of the top board. All these wires will be led into connecting with the controller on the internal top board. **See FIG-14**
- All the **Sauna Boom** are pre-assembled. **See FIG-15.** Connect all the wires and connectors to the corresponding outlets on the top board. Please be sure all the plugs are connected tightly.



FIG-15 Connectors on the internal top board



FIG-16 Put down the wires into the sauna cabin

- After that, put down the power plugs of the speakers, temperature sensor, control panel and CD player through the hole near the fan on the top board. **See FIG 16**
- All the wirings from top board should be linked with corresponding connectors of the control panel, the temperature sensor. Otherwise, the sauna will not function if any connections are missed. **See FIG 17-18**

7.0 Illustrations



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FIG-17 Link the control panel connectors



FIG-18 Link the sensor connectors

20. Making sure all steps are finished correctly, plug in the power and try using the sauna at first to make sure it will work properly. Then put the external top board over the internal top board, and take out the power plug through the corresponding hole in the external top board. **See FIG-19**



FIG-19 Slip the power plug through external top board

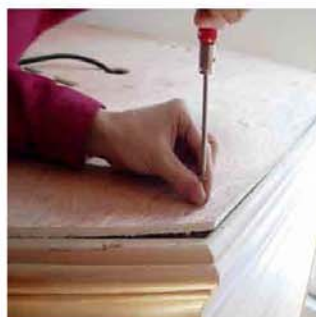


FIG-20 Fix the external board with screws

21. Take the screws affixed on the external top board, then set up the board using the cross screwdriver. **See FIG-20**
Installation Completed.

Operation



1. Precautions

- Check all the circuitry and the plug meet all requirements.
- Set the temperature and time to a comfortable level, normally, 30 minutes at 120°F.
- Drink a cup of water before the sauna session.
- After 2 hours of continuous use, shut the sauna down for one hour.
- To avoid burns, do not touch the heating element.

2. Operation

- Only plug the sauna into a 120volt-wall outlet. Do not share the outlet with any other appliances. Plug the unit into the outlet and use the ON/OFF switch to activate the sauna. Sauna should be **unplugged** when not in use.
- Press the 'temperature' button to increase or decrease the temperature. If the 'heat' light is on, the temperature

7.0 Illustrations



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setting will increase one degree every time the '+' button is pushed. If pressed for three seconds, the setting will increase quickly. Decrease the temperature in the same manner by pressing the '-' button. After the sauna reaches the desired temperature, the 'heat' light turns off.

- c. Press the 'light' button to turn the light on and off.
- d. If the sauna is too stuffy, open the vent in the ceiling or open the front door.
- e. After your sauna session, turn off, and unplug the power cable.
- f. To set the time press the 'function' button until the 'time' button blinks. Press the '+' and '-' buttons to set the timer from 5 to 60 minutes. If pressed for three seconds, the timer will increase quickly. When the display reads '05', the timer will buzzes then the machine will shut off automatically after 5 minutes. To extend the sauna session, reset the timer again.
- g. The Fahrenheit and Centigrade display can be switched: press the temperature button "+" and "-" at the meantime, then press the button of "light" to switch
- h. CD Player (CD is the optional part)**
 Please read the instruction of our car stereo with CD player

Warnings

1. Safety precautions

- a. To avoid fire, do not dry clothes or leave any towels in the sauna.
- b. To prevent burns or electric shocks, do not touch or use metal tools on the net cover of the **Sauna Room** elements.
- c. While in the sauna, do not touch the light bulb. If the bulb needs to be changed, switch it off and wait until the sauna is shut off and the bulb is cool
- d. Do not spray water on the **Sauna Room** . This activity may result in electric shock or damage to the heater elements.
- e. Do not use the **Sauna Room** if you have any of the following conditions:
 - 1. Open wounds
 - 2. Eye diseases
 - 3. Sever sunburns
 - 4. Elderly & weak people, especially those suffering from a disease, pregnant women and infants are prohibited. Children over the age of 6 years may use the sauna under the supervision of adults.
 - 5. If suffering from a disease directly related to temperature, seek the advice of a doctor before using.
 - 6. Do not place pets in the sauna.
 - 7. Do not use the sauna if you are under the effects of alcohol.

Trouble Shooting:

	problem	possible reason	countermeasure
1	indicator light for power supply not working	The connector is not connected properly	Check the connector or replace a new one
		No power supply input	chick the circuitry (especially weather there is power supply input)
		Indicator light is broken	replace the circuitry panel
2	Indicator light for function	The heating indicator light is broken	Replace the relevant control panel

7.0 Illustrations



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	is not working	The circuit board or components are broken	Replace the circuit board
		the temperature sensor is broken	check the connect is loosen and replace it
3	Infrared Heater not heating up	The heater is broken	Replace with a new one Of the same specifications
		The wire junction or the heater's wire is loosen	Check and make them tight
		the temperature sensor is broken	check junction of the temperature sensor is loosen and replace it
		the circuit board of the relay is not work	replace the circuit board
4	Odor from the sauna	The circuit's problems	1) there is eyewinker around, remove it 2) some heater's temperature over high, cut off the power supply, replace it 3) parts on the circuitry is broken
5	Light bulb is not working	Light bulb is burned out	Replace the light bulb
		Light bulb wiring is loosen	Replace the lamp holder
		Problems with electrical control panel	Repair or replace it
6	Sauna is not power up	Power cord is unplug	Plug back power cord to outlet
		Outlet has no power	Check outlet or circuit breaker
		Power supply or circuit panel is broken	Replace the power supply or related circuitry board
7	The temperature display show "EP"	The connector of temperature sensor is loose or sensor damaged	Tighten the connector of temperature sensor or change to a new temperature sensor.
8	The temperature display show "H"	The temperature inside the sauna room is too high	Turn off the unit, and contact the manufacture.

**USER MAINTENANCE INSTRUCTIONS
 (CLEAR AND MAINTENANCE)**

Cleaning

Clean the faceplate with a wet towel, or clean with a small amount of hand-soap mixed with warm water if necessary.
 Clean the sauna room with a wet cotton towel, dry with a clean dry towel. **Do no use benzene, alcohol, or strong cleaning chemicals on sauna. NOTE: Any chemical that can damage wood material will damage the sauna and the protection layer that is on the wood.**

7.0 Illustrations



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***** Suggest do not leave the sauna or CD player on for more than 2 hours at a time. *****
(For giving heaters and CD player longer lifetime.)

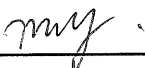
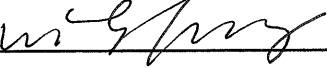
Transportation and storage

1. Avoid exposure to rain, snow or strong collisions during transport.
2. Do not store in damp environments.

Packing list

- 1X Sauna Room with floor
- 5X Heating element tubes for FIR-022L serial
- 1 X Cup shelves
- 1-4X Light
- 1X CD player and 2X Speakers(optional part)
- 1X CD player back cover(optional part)
- 1X Bag of screws and bolts
- 1X Hand screwdriver
- 1X Instruction manual

8.0 Test Summary			
Evaluation Period	Sep. 4, 2009 to Nov. 10, 2009		Project No. SH09081092
Sample Rec. Date	9/4/2009	Condition	Prototype
			Sample ID. 0090904-30-001~010
Test Location	Building No. 86, 1198 Qinzhou Road (North)		
Test Procedure	Testing Lab		
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.			
The following tests were performed:			
Test Description	CAN/CSA C22.2 No. 164-M91 reaffirmed 2007 Cl.	UL 875 9th Edition, rev. May 21, 2009 Par.	
Power Input Test	12.2	24	
Temperature Test	12.4 & 12.8	25	
Leakage Current Test	12.10	43.2	
Insulation Resistance Test	--	27	
Dielectric Voltage-withstand Test	12.5	28	
Abnormal Operation Test - Temperature	12.7	30.1	
Abnormal Operation Test - Cheesecloth and towel drape	--	30.3	
Abnormal Operation Test - Thermal cutoff	--	30.4	
Strain Relief Test	12.11	--	
Stability Test	12.12	32	
Static Loading Test	--	33	
Grounding Test	10.8	23	

8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Michael Y. Ye	Reviewed by:	Winston Tang
Title:	Certificate Engineer	Title:	Technical Reviewer
Signature:		Signature:	

9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

BASIC LISTEE	Anhui Saunaking Co., Ltd.
Address	No. 34 Hehuan Road, High-Tech Development Zone, Hefei
Country	P. R. China
Product	Dry Sauna Room

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	

ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	

ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	

ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0

Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation

Ship the samples to:
Intertek Testing Services Shanghai Limited
ETL Component Evaluation Center
Building No. 86, 1198 Qinzhou Road (North)
Shanghai 200233, China
Attn: Ms. Dansy Xu

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return **must** accompany the initial component shipment.

11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

Required Tests

Dielectric Voltage Withstand Test,
 Grounding Continuity Test

11.1 Dielectric Voltage Withstand Test

Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.

The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all switches, contractors, relays, etc., should be closed so that all primary circuits are energized by the test potential. If all primary circuits cannot be tested at one time, then separate applications of the test potential shall be made.

The test voltage specified below shall be applied between primary circuits and accessible dead-metal parts. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the applied test potential, and an audible and/or visual indicator of dielectric breakdown.

The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if the rated output of the test equipment is less than 500VA.

If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:

- 1 - a voltmeter in the primary circuit;
- 2 - a selector switch marked to indicate the test potential; or
- 3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

Products Requiring Dielectric Voltage Withstand Test:

<u>Product</u>	<u>Test Voltage</u>	<u>Test Time</u>
All products covered by this Report.	1000V	60 s
	or	
	1200V	1 s

11.2 Grounding Continuity Test

Method

Each product listed below shall be subjected to a test to determine that there is continuity between accessible dead-metal parts of the product and the grounding pin or blade of the attachment plug.

If all accessible dead metal is connected, only a single test need be performed. A visual or audible device (ohmmeter, buzzer, etc.) may be used to indicate grounding continuity.

Products Requiring Grounding Continuity Test:

All products covered by this Report.

