

# SUNDAZZLER™

## Owner & Assembly Manual

Les Spécifications Françaises Enclos



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*America's Best Tan™*

# WELCOME

Dear Valued Customer:

Congratulations! You have just purchased one of the finest pieces of tanning equipment available to the indoor tanning industry. We at Heartland Tanning, Inc. sincerely appreciate your business.

The Sundazzler 54E™ tanning booth is manufactured right here in the heart of our country. Our tanning equipment is constructed of steel, aluminum & other construction material to hold up under heavy use. We have confidence in our manufactured products and that is why our equipment is backed by Heartland's unprecedented 5 year limited warranty. Designed to be user friendly, the Sundazzler 54E™ is easy to assemble and maintain.

Please read your owner & assembly manual thoroughly prior to the first use of your new tanning booth.

Heartland Tanning, Inc.  
4251 N.E. Port Drive  
Lee's Summit, MO 64064  
**1-800-554-8268**



**NOTICE:** Any misuse, abuse, modifications, alteration, improper installation, etc. of this product or its intended use will subject said party to direct responsibility for any and all consequences resulting from such action. Furthermore, such actions will void all warranties and may relieve Heartland Tanning, Inc. of any liabilities relating to said product.

# **REQUIRED READING**

## **REPAIRS • SERVICE • REPLACEMENT PARTS**

If you are in need of any of the above mentioned products or services, you should contact the dealer/distributor through whom you purchased your unit. In the event that you are unable to do so, please call our Service Department for assistance:

**1-800-554-8268**

### **NOTE:**

All repairs and replacement components including, but not limited to, protective eyewear, lamps, timers and acrylic must comply with CFR21 1040.20.

### **NOTE:**

Electrical connection to the power supply must comply with NECA regulations and be performed by a qualified electrician.

## **CARE AND CLEANING**

After each session is completed, spray acrylic with a specially formulated UVT (ultra-violet transmitting) acrylic cleaner. Wipe the acrylic with a clean cloth. The acrylic should never be wiped with a dry cloth because this will generate a slight static charge which will attract dust. A mild liquid detergent and water solution can be used temporarily in place of acrylic cleaner.

### **ELECTRICAL SAFETY**

The tanning unit should be disconnected from the power supply before cleaning or any repairs are made! Avoid water or solution entering the lamp compartment.

### **CAUTION**

Do not use excessive amounts of water, any abrasive cleaners, or any spray cleaner that carry label warnings regarding reactions to contact with skin!

## **WARNING DO NOT USE ALCOHOL TO CLEAN THIS UNIT!**

For maximum efficiency of your tanning unit, periodic cleaning of lamps is required. Refer to relamping instructions for acrylic removal.

## **MANDATORY READING**

**ALWAYS FOLLOW INSTRUCTIONS FOR PROPER USAGE PRIOR TO USING ANY TANNING SYSTEM.**

### **REMEMBER**

1. Follow the exposure schedule in accordance with your skin type. Failure to do so may result in overexposure.
2. Replacement lamps must comply with CFR 21 1040.20. When ordering lamps, include model number and serial number. See Lamp Guide for the appropriate lamp replacements for your Tanning Bed.

Should you have any questions regarding the proper use of your tanning system, please contact:

**Heartland Tanning, Inc.**

**1-800-554-8268**

**8:00AM to 5:00PM (CST)**

# WARNINGS AND CAUTIONS

Certain drugs, particularly those designed to produce photosensitivity, may cause individuals under the influence of these types of drugs to experience adverse effects and those people should avoid exposure to UV sources of all types. Doctors will advise persons taking these drugs of possible adverse effects.

It is recommended that only one (1) person at a time use this tanning system, and we advise wearing protective eyewear while using the tanning unit, failure to may result in severe burns or long-term injury to eyes. Two (2) pair of protective eyewear are provided with each bed sold.

## WARNING

If you have been diagnosed by a physician as being allergic to the sun or are currently taking photosensitive medications, consult your physician before using the tanning unit.

## CAUTION

While there is no immediate clinical evidence regarding UVA exposure and its effects upon expectant mothers, it is strongly advised that expectant mothers be discouraged from using the tanning unit.

# SKIN GUIDE

**MELANIN** - The brownish pigment produced by special cells in the base layer of the skin determines the individual's tan. As the skin is exposed to the ultraviolet light, the melanin is activated and combines with protein cells that rise to the skin's surface, thus producing a tan. The amount of melanin in your body determines how quickly and dark you tan. The more melanin produced and exposure time an individual has, the faster and deeper the individual will tan.

## NOTE

The tan produced by the Sundazzler line is a deep, rich "COSMETIC" tan. However, regardless of how dark an individual may tan on this system, it will not provide adequate protection against overexposure to natural sunlight or UVB tanning systems.

## SKIN TYPE II-Fair

This is the individual that usually burns easily and severely, tans minimally or lightly and peels.

## SKIN TYPE III-Average

This individual burns moderately and tans about average.

## SKIN TYPE IV-Brown

This individual burns minimally, tans easily and above average with each exposure.

## SKIN TYPE V-Dark Brown

This individual rarely burns, tans easily and substantially.

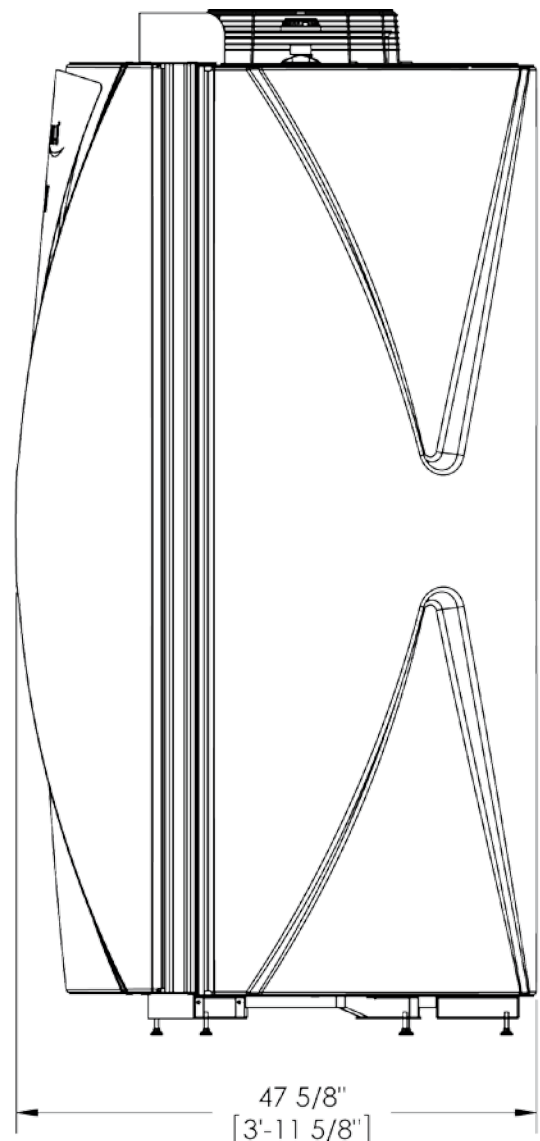
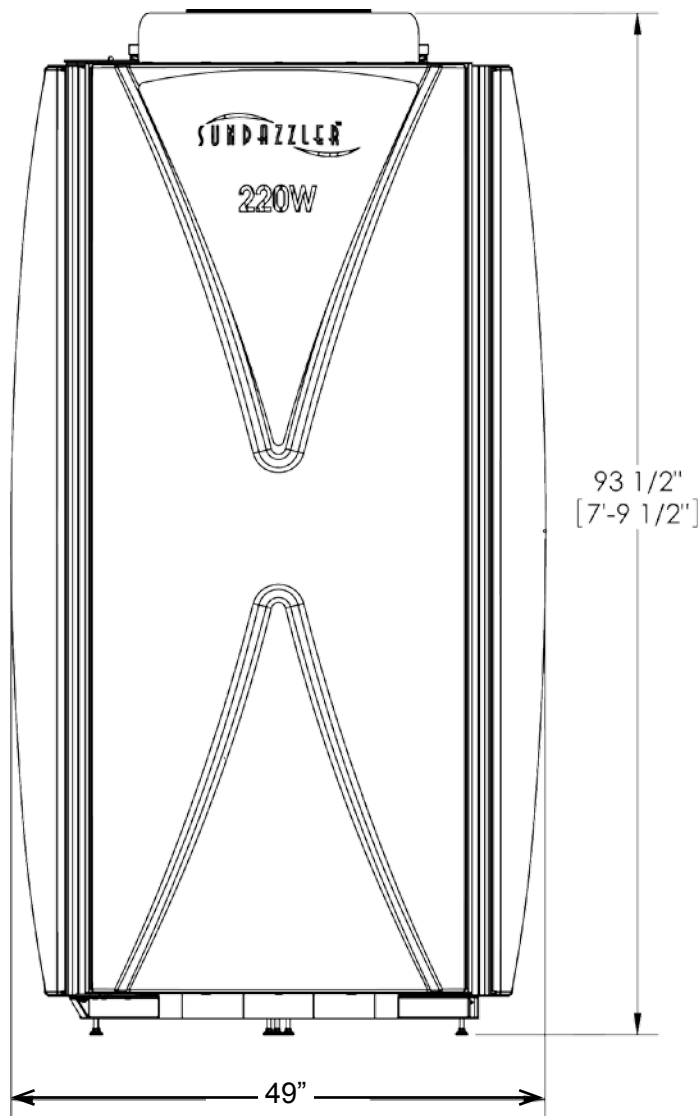
## IMPORTANT NOTE

Customers that wear contact lenses should be made aware that the heat and ventilation wind may dry out their contacts and should be removed prior to the session. Use only creams, oils or lotions (particularly suntan lotions) that are recommended by Heartland Tanning, Inc. Equally important many facial Make-ups have oil bases and sun block which should be removed prior to a session. It is recommended that following a tanning session, a skin moisturizer be applied. This promotes a smoother, more even looking tan.

# SPECIFICATIONS

## 9 MINUTES

- See Exposure Label information on pages 8-9
- T-Max Timer on board (T-Max wireless compatible)
- 50 AMP rated single phase, 225 - 235 VAC
- Optional dressing room



\*NOTE: Amperage will vary depending on voltage.

**DANGER – ULTRAVIOLET RADIATION.** Follow instructions. Avoid overexposure. As with natural sunlight, overexposure can cause eye and skin injury and allergic reactions. Repeated exposure may cause premature aging of the skin and skin cancer. **Wear protective eyewear: failure to may result in severe burns or long-term injury to eyes.**

Medications or cosmetics may increase your sensitivity to the ultraviolet radiation. Consult physician before using sunlamp if you are using medications or have a history of skin problems or believe yourself especially sensitive to sunlight. If you do not tan in the sun, you are unlikely to tan from the use of this product.

# SUNDAZZLER 220 CUT SHEET

MODEL	VOLTAGE RATING*	ETL LISTED AMP RATING	PHASE**	ACTUAL RUNNING AMPS	HVAC
Sundazzler	225-235 Volts	50 AMP @220 VAC	Single	48 AMP @220 VAC	1 Ton 12,000 BTU

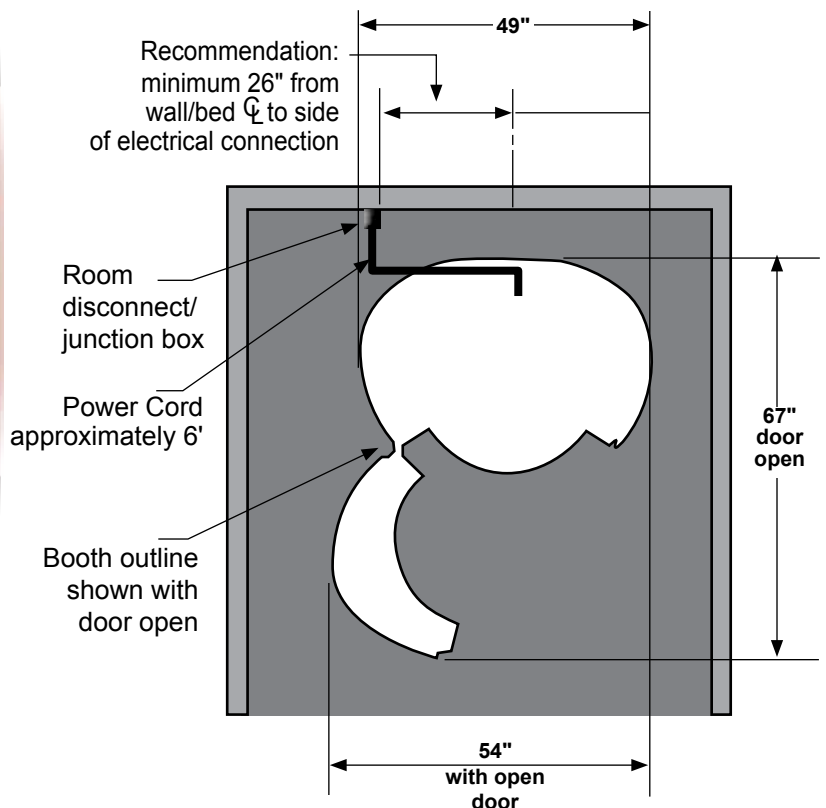
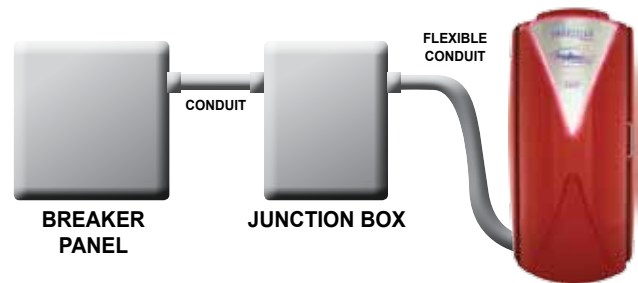
\* Unit shipped with manufacture internal Buck Boost Transformer. Refer to wiring section for transformer set up.

\*\* 3 Wire (2 hot, 1 ground) Note: unit can be manufactured for 3 phase. Contact Heartland Tanning for detail.

Note: Heartland Tanning, Inc. is not responsible for recommendations or specification errors. Information is subject to change without notice.

DIMENSIONS	APPROXIMATE WEIGHT	MINIMUM ROOM SIZE
49"W x 93.5"H	800 lbs.	7' x 7'

## TYPICAL ELECTRICAL SETUP



## ROOM REFERENCE

# 9 MINUTE EXPOSURE SCHEDULE

**DANGER - ULTRAVIOLET RADIATION:** Follow instructions. Avoid overexposure. As with natural sunlight, overexposure can cause eye and skin injury and allergic reactions. Repeated over exposure may cause premature aging of the skin and skin cancer. **Wear protective eyewear; Failure to do so may result in severe burns or long-term injury to eyes.**

Medications or cosmetics may increase your sensitivity to the ultraviolet radiation. Consult physician before using sunlamps if you are taking medications, have a history of skin problems, or believe yourself to be especially sensitive to sunlight. If you do not tan in the sun, you are unlikely to tan from the use of this product.

This system is intended to be used only with **RAVE SUPER 220 2279 LAMPS**.

Questions on Sales or Service  
Heartland Tanning, Inc. • Lee's Summit, MO • 1-800-554-8268  
**Follow recommended exposure schedule for the skin type.**

RECOMMENDED EXPOSURE SCHEDULE					
SKIN TYPE	WEEK 1 1 <sup>st</sup> - 3 <sup>rd</sup> TREATMENTS	WEEK 2 4 <sup>th</sup> - 6 <sup>th</sup> TREATMENTS	WEEK 3 7 <sup>th</sup> - 9 <sup>th</sup> TREATMENTS	WEEK 4 10 <sup>th</sup> - 12 <sup>th</sup> TREATMENTS	WEEKLY SUBSEQUENT TREATMENT
II-FAIR	2 MINUTES	3 MINUTES	5 MINUTES	7 MINUTES	7 MINUTES
III-AVERAGE	2 MINUTES	3 MINUTES	5 MINUTES	7 MINUTES	7 MINUTES
IV-BROWN	2 MINUTES	5 MINUTES	7 MINUTES	9 MINUTES	9 MINUTES
V-DK. BROWN	2 MINUTES	5 MINUTES	7 MINUTES	9 MINUTES	9 MINUTES
<b>MAXIMUM EXPOSURE TIME IS 9 MINUTES</b>					
This product is in conformity with performance standards for sunlamp products under CFR 21 Part 1040					

This unit utilizes UVA lamps. Replace only with **RAVE SUPER 220 2279 LAMPS**. The minimum exposure position is .5" (1.27 cm) from the lamps surface (preset by the mfg.). Read the instruction booklet before using this device. To use, lie down under canopy and pull down as far as adjustment will allow. **CAUTION: ANY OTHER POSITION MAY RESULT IN OVEREXPOSURE.**

Tanning can begin on a regular basis. An appearance of a tan normally appears after a few exposures and maximizes after four (4) weeks of exposure. **Use protective eyewear whenever equipment is energized.** Read the instruction booklet before using.

Exposure label #94062

# 9 MINUTE D'EXPOSITION CALENDRIER

**DANGER – RAYONNEMENT ULTRAVIOLET.** Suivez les instructions. Évitez la surexposition. Comme avec les rayons naturels du soleil, la surexposition peut causer dommage aux yeux et à la peau et des réactions allergiques. L'exposition répétée peut causer le vieillissement prématuré de la peau et du cancer de la peau. Portez des lunettes protectrices; le non-respect de cette consigne peut entraîner de graves brûlures ou des lésions oculaires à long terme.

Les médicaments ou les produits de beauté peuvent augmenter votre sensibilité au rayonnement ultraviolet. Consultez un médecin avant d'utiliser la lampe solaire si vous utilisez des médicaments ou avez une histoire des problèmes de peau ou croyez-vous particulièrement sensibles aux rayons du soleil. Si vous ne bronzes pas au soleil, il est peu probable que vous bronzeriez avec l'utilisation de ce produit.

**Questions au sujet des ventes ou de service: Heartland Tanning, Inc. • Lee's Summit, MO – 1-800-554-8268**

Suivez le programme recommandé d'exposition pour le type de peau.

Cette appareil utilise des lampes de l'ultraviolet A. Remplacez seulement avec les lampes de marque **RAVE SUPER 220 2279 LAMPES**. (ampoule faciale de bronzage, là où applicable)]. La position minimum d'exposition est à 0,5 pouces 1,27 cm) de la surface de la lampe (instituée par le manufacturier). Lisez le livret d'instruction avant d'utiliser ce dispositif. Pour utiliser, couchez-vous sous l'écran et abaissez dans la mesure où le réglage laissera.

**ATTENTION : L'UTILISATION DE N'IMPORTE QUELLE AUTRE POSITION PEUT AVOIR COMME CONSÉQUENCE LA SUREXPOSITION.**

Le bronzage peut commencer de façon régulière. Un aspect de bronzage normalement apparaît après quelques expositions et atteint son niveau maximal après quatre (4) semaines d'exposition. Utilisez des lunettes protectrices à chaque fois que l'appareil est actif. Lisez le livret d'instructions avant l'utilisation.

HORAIRE D'EXPOSITION RECOMMANDÉ					
TYPE DE PEAU	SEMAINE 1 1 <sup>ER</sup> -3 <sup>E</sup> TREATMENTS	SEMAINE 2 4 <sup>E</sup> - 6 <sup>E</sup> TREATMENTS	SEMAINE 3 7 <sup>E</sup> - 9 <sup>E</sup> TREATMENTS	SEMAINE 4 10 <sup>E</sup> - 12 <sup>E</sup> TREATMENTS	BIHEBDOMADAIRE TRAITEMENTS SUBSÉQUENTS
II-CLAIRE	2 MINUTES	3 MINUTES	5 MINUTES	7 MINUTES	7 MINUTES
III-MOYEN	2 MINUTES	3 MINUTES	5 MINUTES	7 MINUTES	7 MINUTES
IV-FONCÉ	2 MINUTES	5 MINUTES	7 MINUTES	9 MINUTES	9 MINUTES
V-TRÈS FONCÉ	2 MINUTES	5 MINUTES	7 MINUTES	9 MINUTES	9 MINUTES
<b>LE TEMPS MAXIMUM D'EXPOSITION EST DE 9 MINUTES</b> Ce produit est conforme aux normes de rendement pour des produits de lampe de soleil tel que stipule la partie 1040 du document CFR 21.					

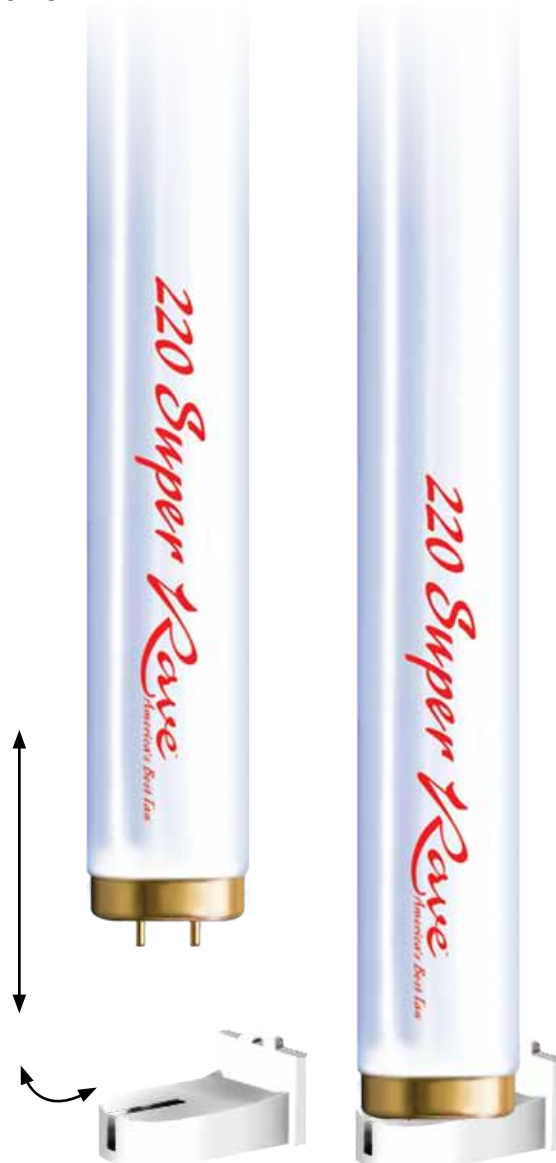


# RELAMPING INSTRUCTIONS

**CAUTION:** Replacement lamps must comply with CFR 21 1040.20  
When ordering lamps, include model number and serial number.

## REPLACING LOW-PRESSURE TANNING LAMPS

1. Disconnect power from unit.
2. Remove acrylic strips and slide acrylic out of the unit.
3. Turn the bi-pin lamp and remove from lamp holder.
4. Align the bi-pin lamp and slide the top and bottom into the lamp holder. REMEMBER: The lamps are REFLECTOR LAMPS, make sure the lamp is turned so the reflector is facing the back of the unit. To ensure the reflector is facing the back always have the label on the lamp facing the user.
5. Clean and replace acrylic. (Refer: Care and cleaning instructions.)
6. Reconnect unit to power.



# TIMER SYSTEM

## OVERVIEW

Congratulations on your purchase of Applied Digital, Inc.'s T-Max™ Series of tanning bed timers. The T-Max™ Series is designed for complete automation and control of your tanning equipment. A Sundazzler 54E Timer is an OEM board that can be installed in a tanning bed or tanning booth. Each Sundazzler 54E Timer can individually control a tanning bed, can be connected back-to-back with a T-Max™ 1A or T-MAX™ 3A for remote front desk control, or be connected with many Heartland Timers and a T-Max™ Manager or Manager/Plus/Pro to control many beds from a remote location. Operation is accomplished via front panel controls. The licensed electrician installing your T-Max™ timing system should use this manual. Check for compliance with local building codes.

## CONFIGURATION

### Setting Bed Address

**Note:** If you are using a T-Max™ Manager or T-Max™ Manager/Plus/Pro and multiple Sundazzler 54E Timers, remove power from the T-Max™ Manager or T-Max™ Manager/Plus/Pro and keep the power removed until all parameter changes are complete.

1. Press and hold the FAN UP button on the Sundazzler 54E Timer. As soon as you see, "Total Bed Hours" release the button. This should take about 5-6 seconds.
2. Press the FAN UP button until the "Bed Address" screen is displayed.
3. Follow the directions displayed by pressing the TIME UP button to advance in number. Press the TIME DOWN button to decrease in number.
4. To exit the program mode and make the Sundazzler 54E Timer available for the next session, press the START/STOP button until the display shows the Sundazzler screen.

## PRESET FUNCTIONS

The Sundazzler 54E Timer is a user friendly sophisticated diagnostic tool that can be tailored to each user's personal needs. From the display, the user can change the following preset functions.

1. **START/STOP** - By pressing this button the user can start or pause a session.

**NOTE:** Once a session has been started, all timer buttons are locked until the startup sequence has finished.

2. **TIME UP-TIME DOWN** - When the unit is in manual mode these buttons are used to increase or decrease the session to the desired time. Once a session has started the TIME UP key has no function.
3. **FAN UP-FAN DOWN** - The FAN DOWN button lowers the body fan speed from 5 (ultra high) to 4 (high) to 3 (med.) to 2 (low) to 1 (ultra low). The body fans can not shut off. The FAN UP button raises the body fan speed up to 5 (ultra high).

The salon owner can monitor lamp hours, session totals and tailor specific functions on the Sundazzler 54E Timer from their T-Max™ Manager. Level 3 security is required to "GET or SEND" parameters listed on page 12.

# TIMER SYSTEM CONT.

To insure safety for the user and to protect the salon owner's investment the Sundazzler 54E Timer has multiple levels of protection. If a fault occurs the Sundazzler 54E Timer will shut down and display the fault. If the salon is running on a T-Max™ system the front controlling timer will sound an alarm and display a fault. The display on the Sundazzler 54E Timer will prompt you to reset if possible. If you have a fault that will not allow you to reset, cycle the power to the unit OFF, wait 10 seconds, and then back ON. If this still does not allow you to resume use refer to the owner's manual and any stored faults can be accessed from a T-Max™ controlling timer. The possible stored faults will be found in parameter 35 and 36. These faults are listed below.

## **Parameter 35 Last Error**

92 = Current On Error

93 = Current Off Error

70 = Special Error (check parameter 36 for details)

98 = Temperature Error

## **Parameter 36 Last Special Error Stored**

3 = Voltage Error

## **Trouble Shooting Procedure**

3 = Voltage Error-Turn Power OFF before any type of maintenance is started.

1. Cycle power OFF, wait 10 seconds, and then back ON. Check display to see if fault resets. If the fault does not reset, a voltage measurement will need to be taken at the control box. If voltage is above or below the pre-set value, a Buck/Boost transformer may be needed.

2. If no problem is found, contact the manufacture for assistance.

## **REMOTE SINGLE BED CONTROL**

Remote Single Bed Control is the ability to control a single tanning bed from a remote location. T-Max™ 3A at the remote location is required for this configuration.

## **Wiring**

Wire the Heartland Timer to the tanning bed. Apply power to the T-Max™ 3A as described in the respective User's Guides. Run the provided modular cable from the tanning room to the remote T-Max™ 3A. Connect the modular cable to one of the RJ-22 ports on the Heartland Timer and T-Max™ 3A (see RJ-22 ports for T-Max™ Series timers on page 14 for the Sundazzler 54E, figure B).

## **Configuration**

Set the address on the Heartland Timer in the tanning room to 1. Set the address on the T-Max™ 3A to 0. For setting the delay, refer to the T-Max™ 3A User's Guide.

**Note:** When setting the address on the Heartland Timer in the tanning room, the power to the front desk T-Max™ 3A must be off.

# TIMER SYSTEM CONT.

## SUNDAZZLER 54E PARAMETERS

Parameters not listed are unused

Parameter	Range	Function	Default	255 Reset
1	1 – 128, 254, 255	Unit Address	1	*
2		Reserved	0	
3	0 – 255	Session Delay in minutes	3	*
4		Reserved	0	*
5		Session Count	0	
6	0 – 65535	Lamp Hours	0	
7	0 – 65535	Bed Hours	0	
8	0 – 65535	Manual Sessions	0	
9	0, 1	Dirty function, 0 = off, 1 = on	1	*
10	0, 1	Key lock, 0 = off, 1 = on	0	
11		Reserved		
12		Reserved		
13	5 - 10	Cooldown time (minutes)	5	*
14		Reserved		
15	0 – 65535	Unchangeable Session Count	0	
16		Reserved		
17		Reserved		
18		Not Used	0	
19		TPI Count Up Mode	1	
20	0 - 100	Default Session Volume (step by 10)	40	*
21	0 - 100	Idle Volume (step by 10)	20	*
22	1 - 180	Fan Delay	7	*
23	3 – 255	Facial Lamp Delay	3	
24	0 – 255	Main Lamp Lockout Time	0	
27	1 - 5	Bodyfan Startup Speed	3	*
28	1 – 5	Bodyfan Speed during cooldown	3	*
29	0 - 100	Max Volume (step by 10)	100	
30	0 - 6	Default Audio Source 0 – Line 1 – AUX(MP3) 2 – FM1 3 – FM2 4 – FM3 5 – FM4 6 – FM5	2	*
33	0,1	Audio Keys enabled in Idle mode	0	*
34	0,1	Time Down Key Enable during session	1	*
35	0 – 255	Last Error		
38	30 – 255	Face Tanner Lockout (secs)	120	*
41	0, 1	Temperature Sense Enable	1	*
44	0 – 30	Amp Comms Timeout	6	*
46	0 - 255	Saved Max Bed Temp		*
47	0 - 255	Fractional Facial Lamp Hours		
48	0 - 65535	Facial Lamp Hours		
49	0,1	Enable Emergency Shutdown Pin	0	
50	0 - 65536	Idle Screen Display	0	
51	0 – 255	Fractional Lamp Hours	0	
52	0 – 255	Fractional Bed Hours	0	
55		reserved		
61		reserved		
65	875 - 1069	FM 1 Station Preset	875	*
66	875 - 1069	FM 2 Station Preset	875	*
67	875 - 1069	FM 3 Station Preset	875	*
68	875 - 1069	FM 4 Station Preset	875	*
69	875 - 1069	FM 5 Station Preset	875	*
70	0,1	Line Input Enable	1	*
71	0,1	AUX Input Enable	1	*
72	0,1	FM Input Enable	1	*
73	0,8	DMX Input Enable, number of DMX ch	0	*
75	0 – 255	Volume 0	0	*
76	0 – 255	Volume 1	2	*
77	0 – 255	Volume 2	5	*
78	0 – 255	Volume 3	10	*
79	0 – 255	Volume 4	15	*
80	0 – 255	Volume 5	20	*
81	0 – 255	Volume 6	25	*
82	0 – 255	Volume 7	45	*
83	0 – 255	Volume 8	60	*
84	0 – 255	Volume 9	85	*
85	0 – 255	Volume 10	100	*
127	0 – 255	EEPROM Checksum	0	*

Reading Temperature  
Parameters

$$\text{Temperature} = \frac{\text{ParmValue} \times 500}{256}$$

# TIMER SYSTEM CONT.

## SESSION CONTROLS

### Starting a Session

1. Press the Up or Down buttons on the T-Max™ 3A at the front desk until the session time is displayed. Time cannot be set from the Heartland Timer in the room.
2. Press the Start/Stop button on the front desk T-Max™ 3A to start the session. If a delay other than 0 is set, the delay will count down. A period on the lower right corner of the display will flash rapidly. When the session starts, the period will flash at once per second rate. If a 0 delay is entered, the session will start immediately.

### Pausing a Session

Pause the tanning session by pressing the Start/Stop button on the Heartland Timer in the tanning room. The display will show "SESSION IS PAUSED". To restart the session, press the Start/Stop button on the Heartland Timer in the tanning room.

**NOTE:** The session time will continue to count down.

### Cancelling a Session

To cancel a session, press both the Up and Down buttons on the T-Max™ 3A at the front desk simultaneously. The session cannot be cancelled from the Heartland Timer.

## USING THE HEARTLAND TIMER WITH A T-MAX™ MANAGER OR T-MAX™ MANAGER/PLUS/PRO

If you are using Heartland Timers with a T-Max™ Manager or T-Max™ Manager/Plus/Pro, follow these instructions for proper operation:

1. Set the address on each Heartland Timer.

**NOTE:** If you need to set the address on the Heartland Timer manually, be sure to set each Heartland Timer to a different address. No Heartland Timer should be set to address 0.

2. Connect each Heartland Timer together using a modular cable that conforms to the pin-outs shown on page 29. Connect T-Max™ Manager or T-Max™ Manager/Plus/Pro to the closest Heartland Timer in the line (refer to page 29).

**NOTE:** the T-Max™ Manager, the T-Max™ Manager/Plus/Pro or the software you are using if you are using a computer, controls Delay. It is not necessary to set the delay on the Heartland Timer. Refer to the T-Max™ Manager or T-Max™ Manager/Plus/Pro User's Guide for operation.

## OTHER FEATURES

### Clean Room

Once a session time has elapsed, the display will show the session as over and that the bed needs cleaning. To clear the clean room indication, press and hold the Time Up button on the Sundazzler 54E Timer in the tanning room until the Ovation screen appears. To disable the clean room feature, set parameter 9 to a 0.

### Cool Down Mode

The cool down mode is when the bed cools down after a session has ended. The factory default setting is 10 minutes. Once the bed has been cleaned a new session can be sent to the Sundazzler 54E timer while in cool down mode.

### Lamp Hours

Used to check and change Lamp Hours.

### TPI (Third Party Input) Mode

If you are using a FST or Database Series timers, you will need to use the in room wall button.

### Connecting the TPI Input:

Connect the two contact wires from the in room start button from the FST or database timer system to the contact closure connection on the Sundazzler 54E power board, or to the TPI Jumper on the communication board.

### Operating in TPI Mode:

When a session is started, the closed contact will be applied to the TPI input. Press the Start/Stop button on the display on the Sundazzler 54E Timer and it will show the maximum time and count down. When the session ends, the closed contact will be removed from the TPI input and the bed will turn off. Any remaining session time showing on the Sundazzler 54E Timer will be eclipsed.

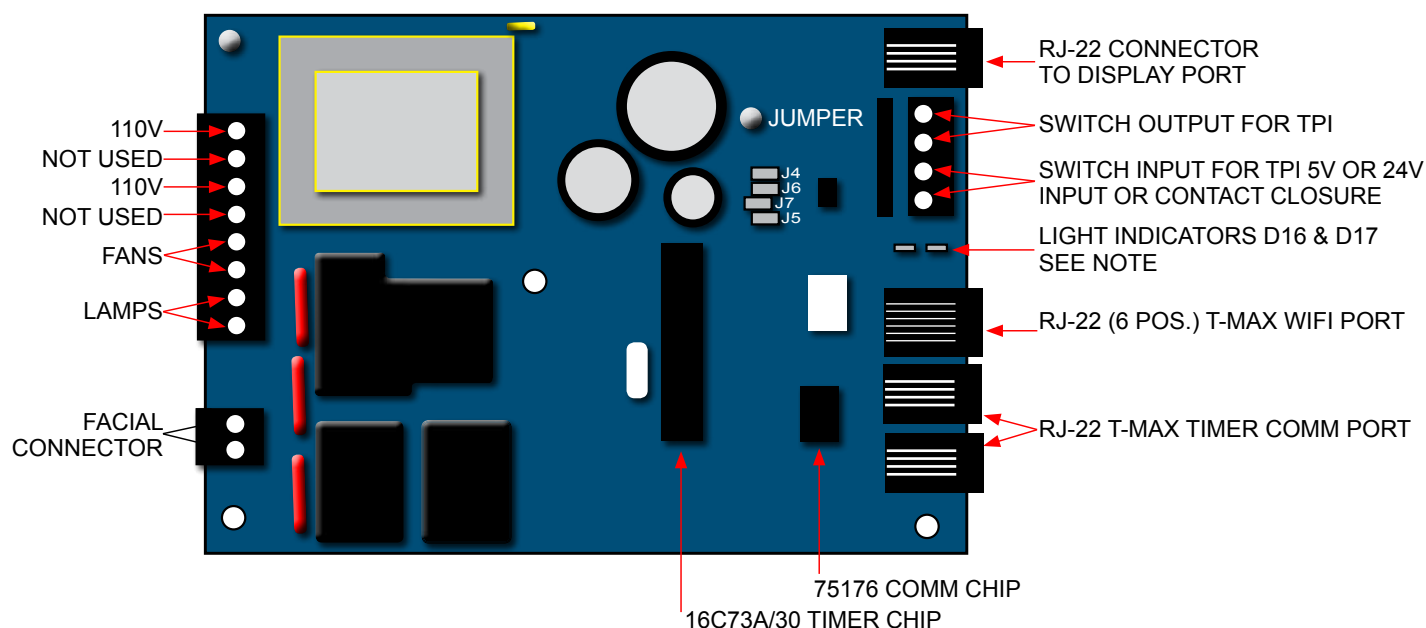
**NOTE:** The Sundazzler 54E timer cannot be used as a stand alone timer in the TPI Mode.

# TIMER SYSTEM CONT.

## FIGURE A - FRONT VIEW OF TIMER



## FIGURE B - POWER BOARD LOCATION



- D16 - POWER INDICATION
- D17 - RUN AND COMMUNICATIONS INDICATION LIGHT WILL FLASH AS A ONCE PER SECOND RATE WHEN OPERATING IN STAND ALONE MODE. WHEN FLASHING RAPIDLY THE COMMUNICATIONS ARE ACTIVE (EITHER WITH A T-MAX MANAGER, T-MAX MANAGER/PLUS/PRO OR MASTER T-MAX 3A). WILL STAY ON SOLID IF TIMER IS IN TPI MODE. FOR TIMER LOCATION SEE SPECIFICATIONS-WIRING DIAGRAM BALLAST TRAY FOR YOUR MODEL

# TIMER SYSTEM CONT.

The salon owner can preset (5) FM radio stations and connect to a salon music system. The salon clients can connect their own MP3 player along with their headphones.

## Changing Audio System Default Settings

The tanning bed must not be running when making changes to the Audio System. There are 4 Audio System set up screens, Station Setup, Default Idle Volume, Default Session Volume and Default Audio Source.

Changes can be made by using the display on the bed. Hold down the FAN UP button until #7 Total Bed Hours screen appears. Push the FAN UP button until the Station Setup screen appears. Here you will have a list of options. Follow the display screen options below to preset your favorite FM Stations.

**Face Up For Next Preset** – Program FM preset stations 1 – 5.

**Time Up To Seek** – Finds next higher station.

**Time Down To Save** – Saves selected station to preset number.

**Start / Stop to Exit** – To exit out of Setup screen.

**Fan Up For Next Screen** – To go to next screen.

After presetting the FM radio stations push the FAN UP button once. The display screen will show #21 Default Idle Volume 10. The number 10 indicates the volume level of the Audio System when the bed is not in use or idle. To change this default setting, push the TIME UP button to increase the volume level or the TIME DOWN to decrease the volume level. Press the START / STOP button to exit or push the FAN UP button to go to the next screen.

The next display screen will show #20 Default Session Volume 40. The number 40 indicates the volume level of the Audio System when the SESSION begins. To change this default setting, push the TIME UP button to increase the volume level or the TIME DOWN to decrease the volume level. Press the START / STOP button to exit or push the FAN UP button to go to the next screen.

The next display screen will show # 30 Default Audio Source 2. The number 2 indicates the bed will play the FM preset station that you have selected for preset station #1 when the bed is not in use or idle. You have a choice of 7 Audio Source settings. 0 = Line Input, 1 = Aux Input, 2 = FM Preset 1, 3 = FM Preset 2, 4 = FM Preset 3, 5 = FM Preset 4 and 6 = FM Preset 5. To change this default setting, push the TIME UP button or the TIME DOWN button. Press the START / STOP button to exit or push the FAN UP button to go to the next screen.

## AUX

Connect the MP3 player to the MP3 jack located at the head end of the bed. Once the session has started, push the TIME UP button on the display until AUX is displayed at the top of the display screen. From here you are able to control the volume by pushing the VOLUME UP or VOLUME DOWN buttons on the display. Use the controls on the MP3 player to select music.

## Line

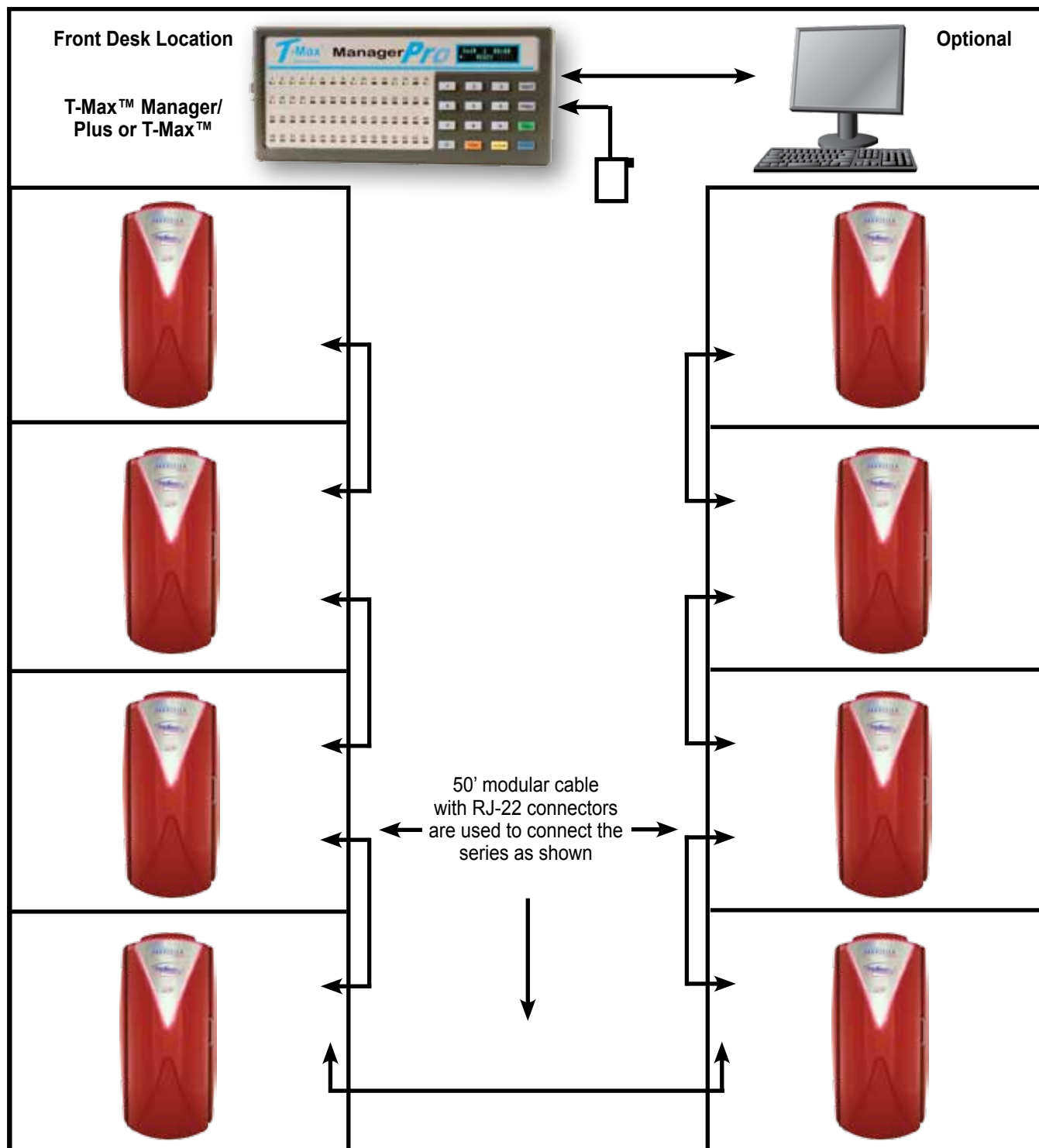
If there is a music system in the salon, you may connect to the audio board so the salon music will be played in the tanning bed. Once the session has started, push the TIME UP button on the display until LINE is displayed at the top of the display screen. From here you are able to control the volume by pushing the VOLUME UP or VOLUME DOWN buttons on the display.

## Headphones

The headphone jack is located at the head end of the bed. When headphones are plugged in, the tanning bed speakers will not function.

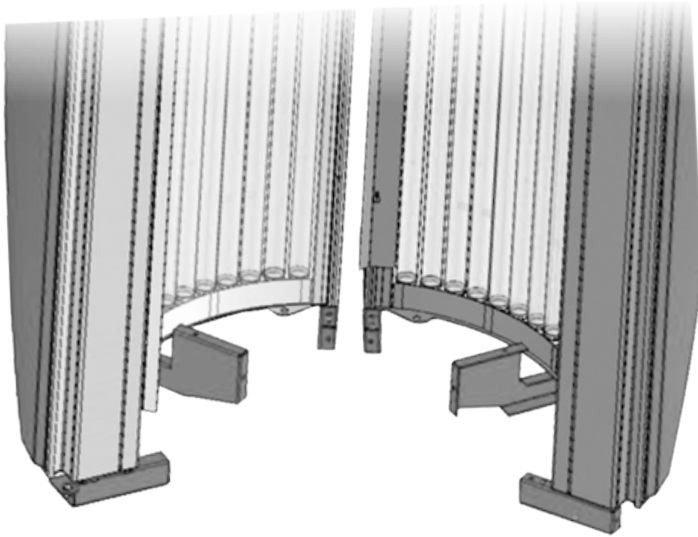
# TIMER SYSTEM CONT.

## CONNECTING THE HEARTLAND TIMER TO A T-MAX™ SERIES



It does not matter in which order the rooms are connected. The only requirement is that there is a continuous connection from the T-Max® Manager through each room in the T-Max® Series Network.

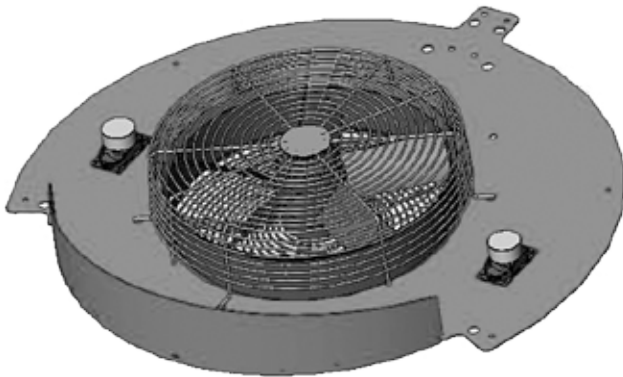
# ASSEMBLY INSTRUCTIONS



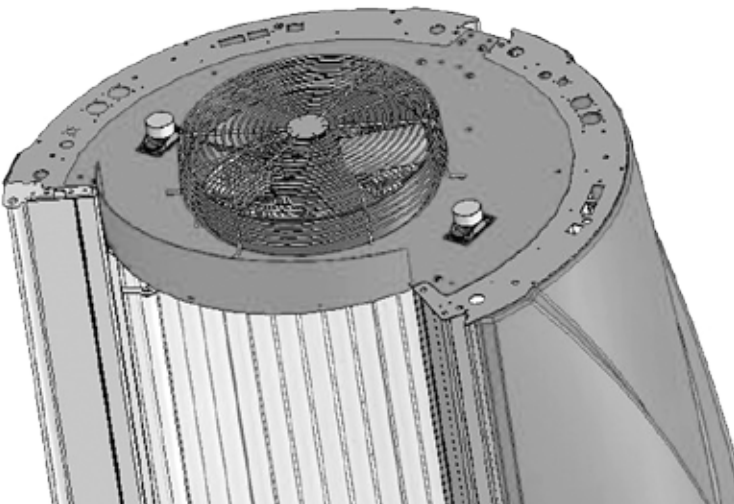
## TOOLS NEEDED:

- 7/16" Socket, 9/16" Socket, 13mm Socket
- 5/32" Allen Wrench and 1/4" Allen Wrench (Both Provided)
- #2 Phillips Screwdriver or screw gun
- Two (2) or more people

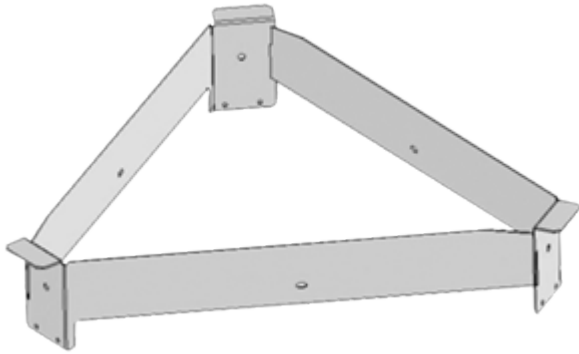
**1** Set up both right & left section. Position their back feet by each other.



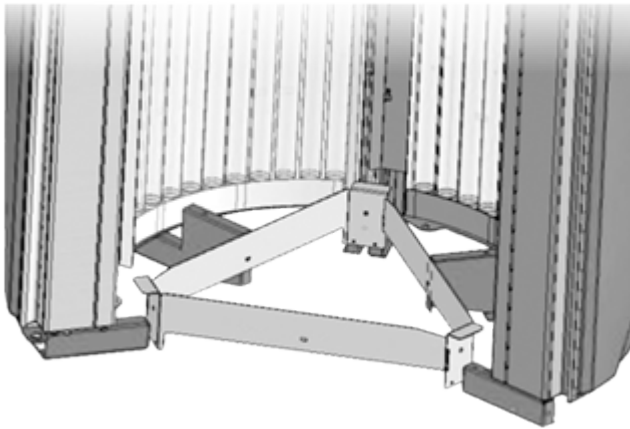
**2** Place the top fan plate assembly on top of two back sections. Install with eight washers on eight 1/4" - 20 hex bolts.



# ASSEMBLY INSTRUCTIONS CONT.

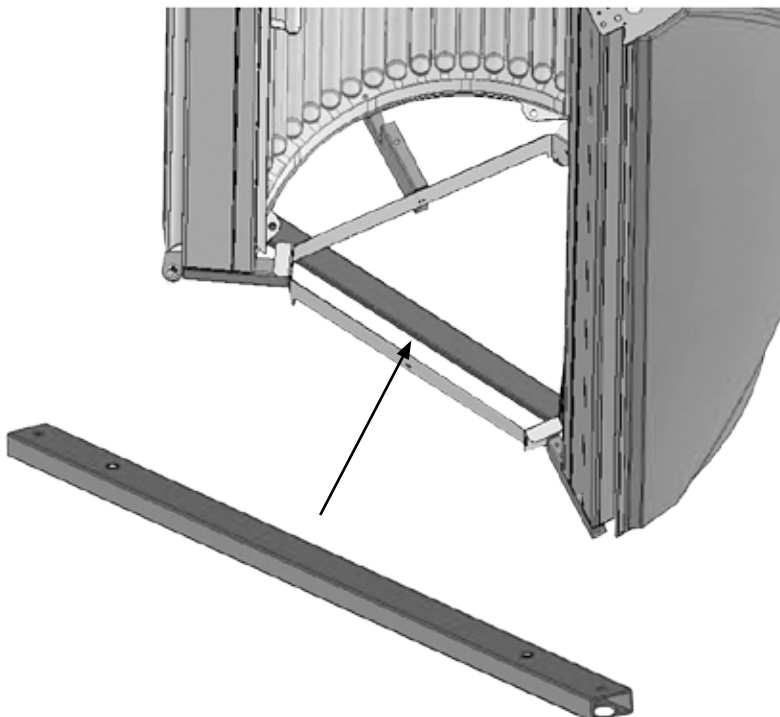


**3** Attaching the triangle riser to both the right and left back sections by placing the triangle within the two back sections so the connector of the lighting strip in the triangle (not shown) is positioned by the back two feet. Use six #10-24 truss head machine screws and fasten the triangle to the face of the six feet.



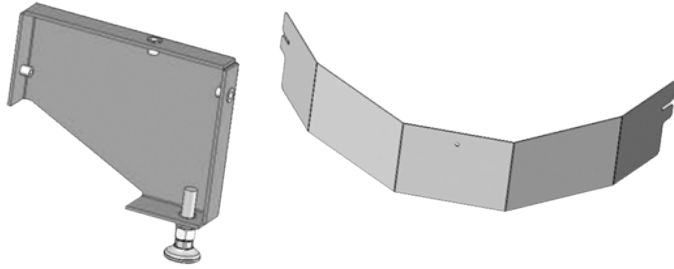
Now return to each of the six feet and tighten the  $\frac{1}{4}$ " - 20 hex head bolts of the feet.

**4** Place brace under triangle and two back sections. Install four washers on four  $\frac{1}{4}$ " - 20 hex bolts, one up into the bottom of each back section and one down between each back section and the triangle.

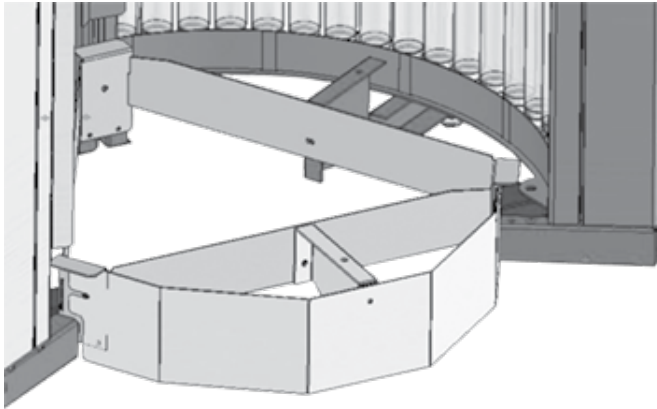


Now level the unit by using the leveling feet on the back right & left sections. Use the jam nut to secure the leveling feet.

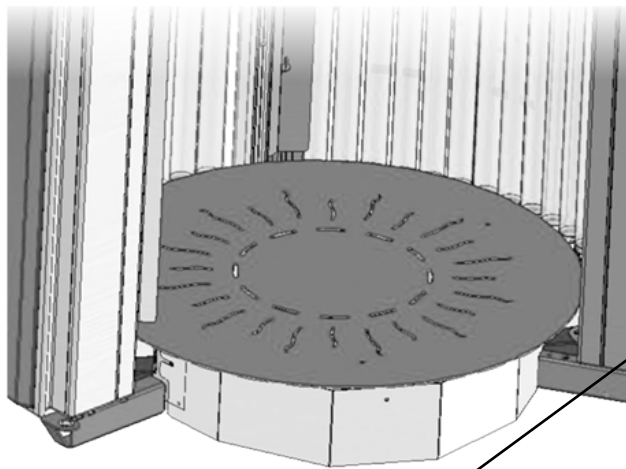
# ASSEMBLY INSTRUCTIONS CONT.



**5** Place front foot in front of triangle. Install #10 - 24 truss head machine screw to fasten foot to triangle. Place apron on front of triangle. Install with three #10 - 24 truss head machine screws. One into front foot and two into corners of the triangle.

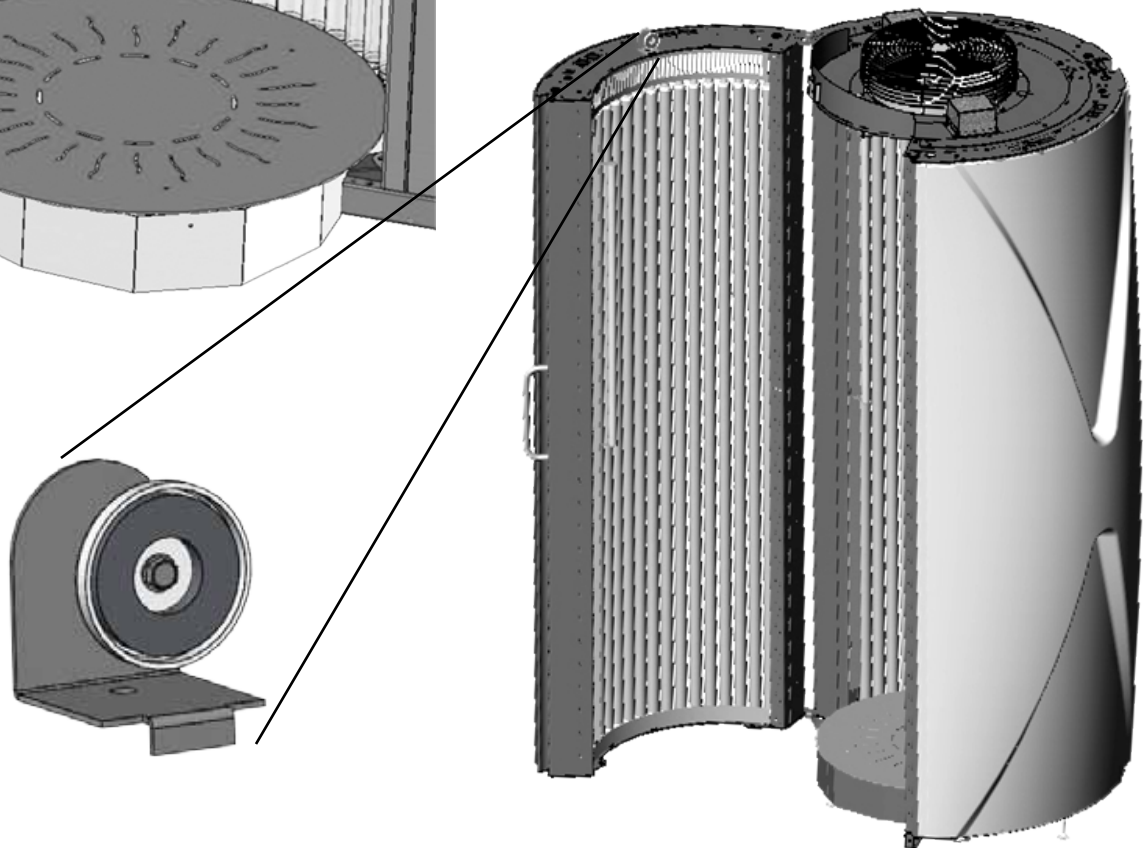


**6** Adding the floor plate on triangle. Make sure the countersink holes face up. Install with three #10-24 flat head machine screws.

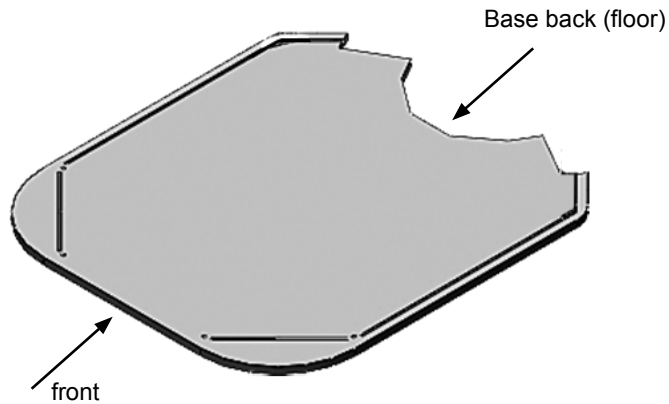


**7** Attach the door to the back left section.

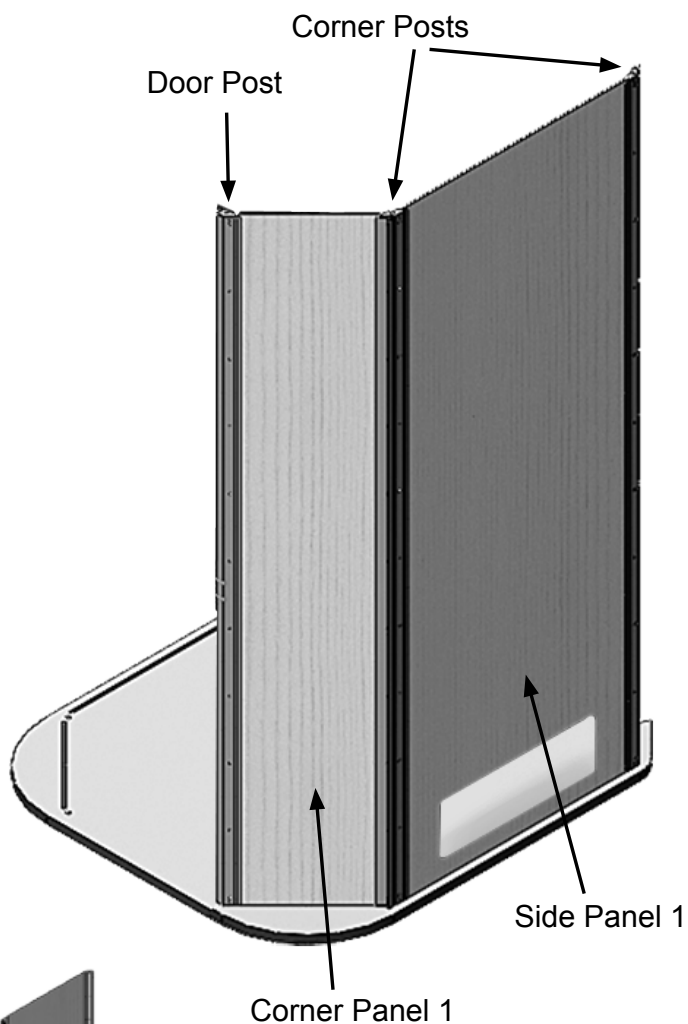
**8** Add door magnet to center of door top. Install with #10-24 truss head machine screws.



# OPTIONAL DRESSING ROOM ASSEMBLY



**1** We recommend two people for assembling the dressing room. First, lay the base (floor of dressing room) down.

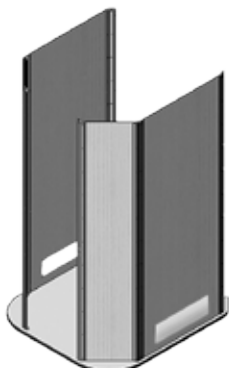


**2** With one person holding the side panel in place, the second person attaches the corner posts on each side of panel with 3/8"-16 Hex bolt on inside (see detail). Next, attach the corner panel and a door post.

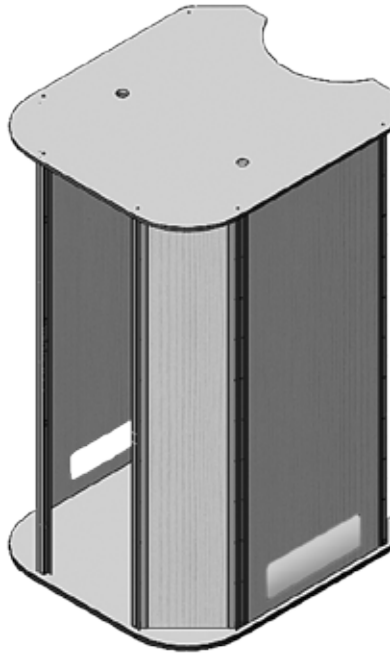
Repeat these steps for the other side.



3/8"-16 bolt detail on posts

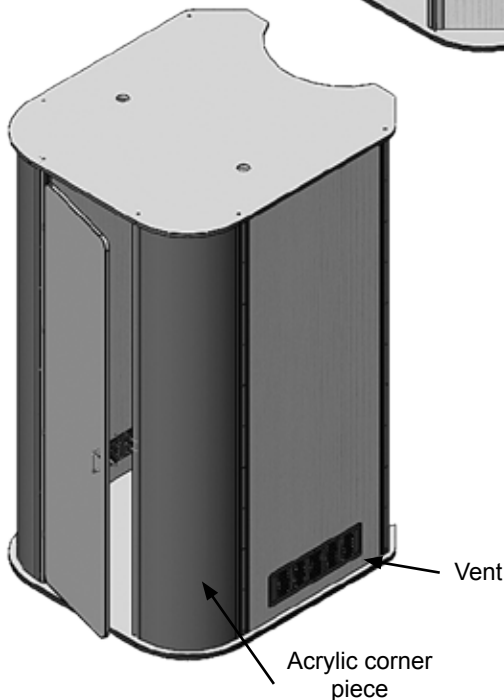


# OPTIONAL DRESSING ROOM ASSEMBLY CONT.



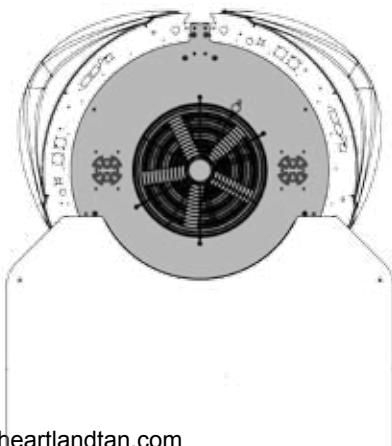
**3** After both sides are completely attached and bolted tight, set the top on and secure with 6 bolts from the inside up.

**4** On the inside of dressing room there are metal covers that attach by a Phillips screwdriver to cover each of the 4 corner posts.



**5** Attach the door with hinges to the left side of the front corner bracket.

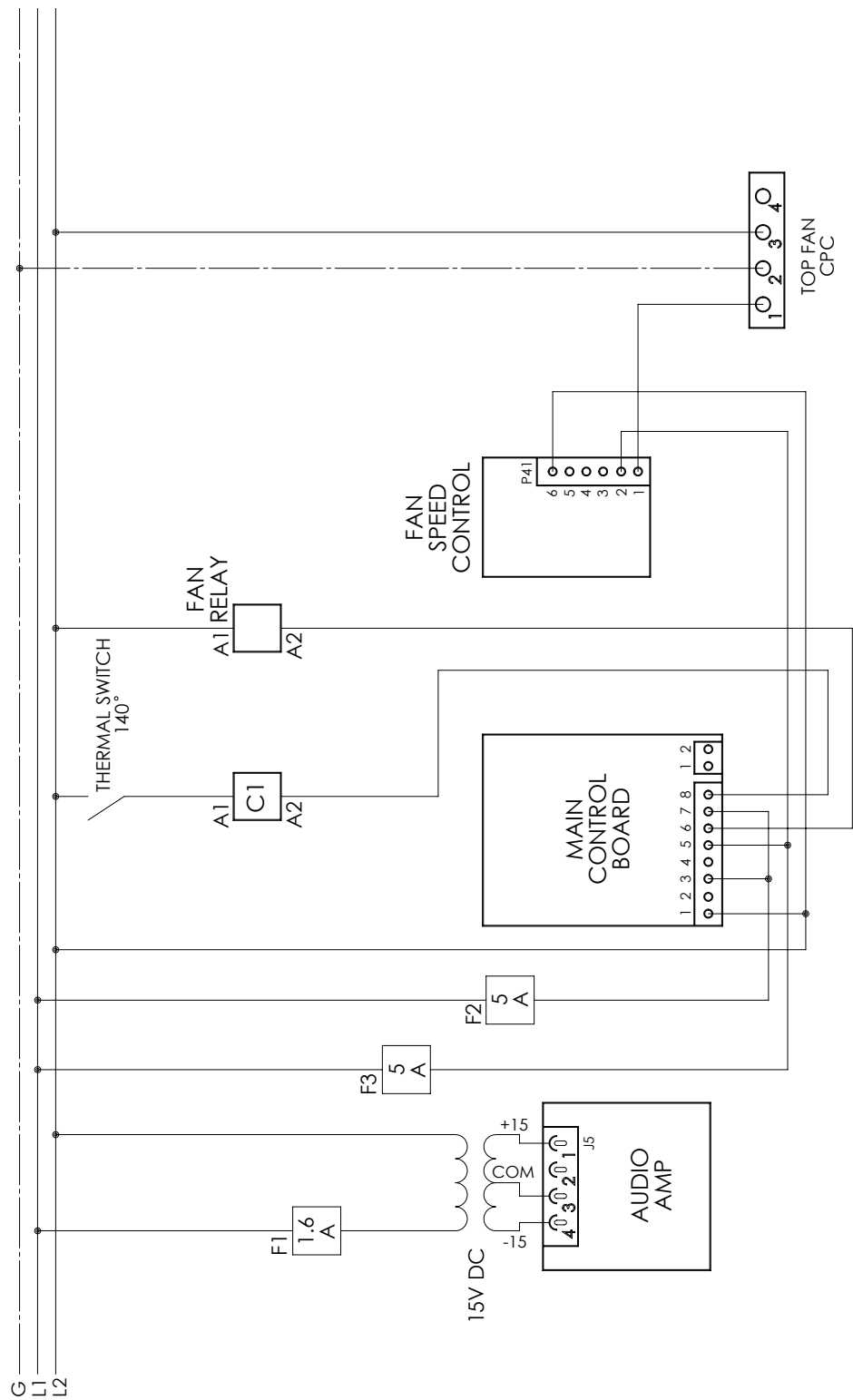
**6** Attach the acrylic corner pieces into the channels by inserting one edge into the plastic catch angle and snap the other edge in by bending the panel and working your way down from the top until the panel is in place.



**7** Attach both vents to left & right side panels with screws provided.

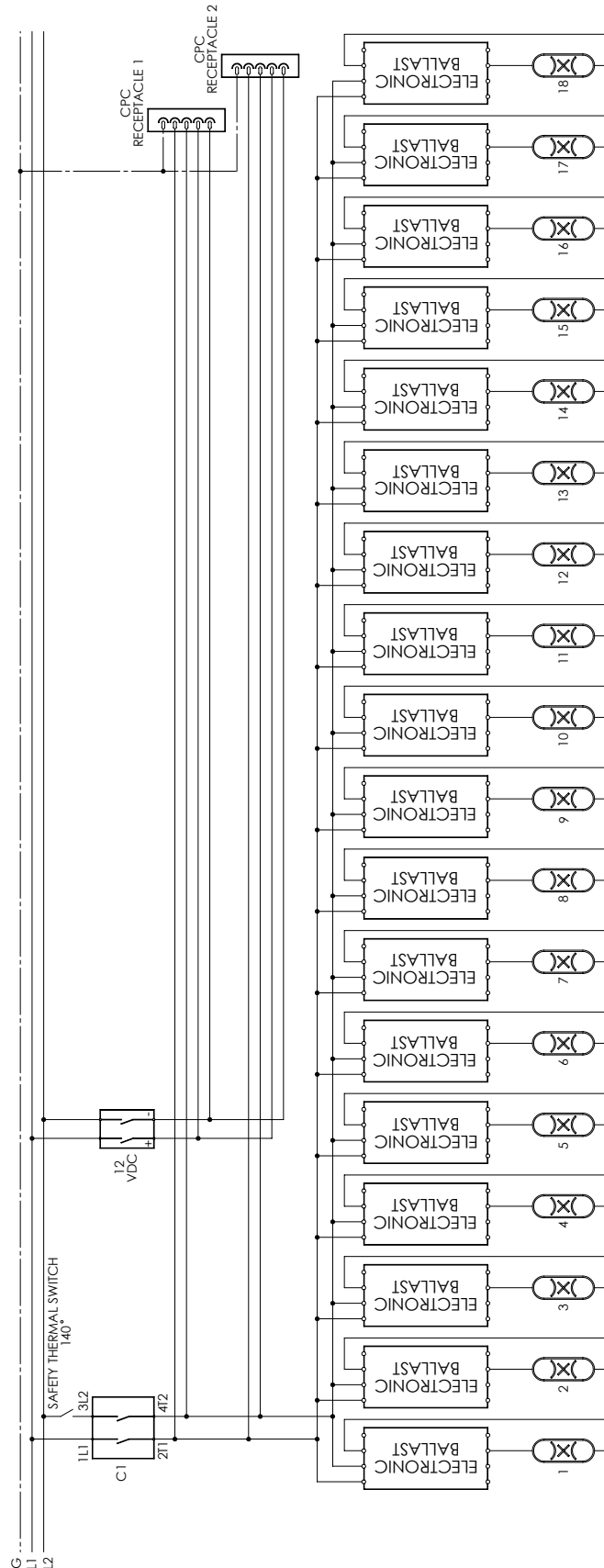
**8** Slide dressing room into position against tanning booth.

# WIRING

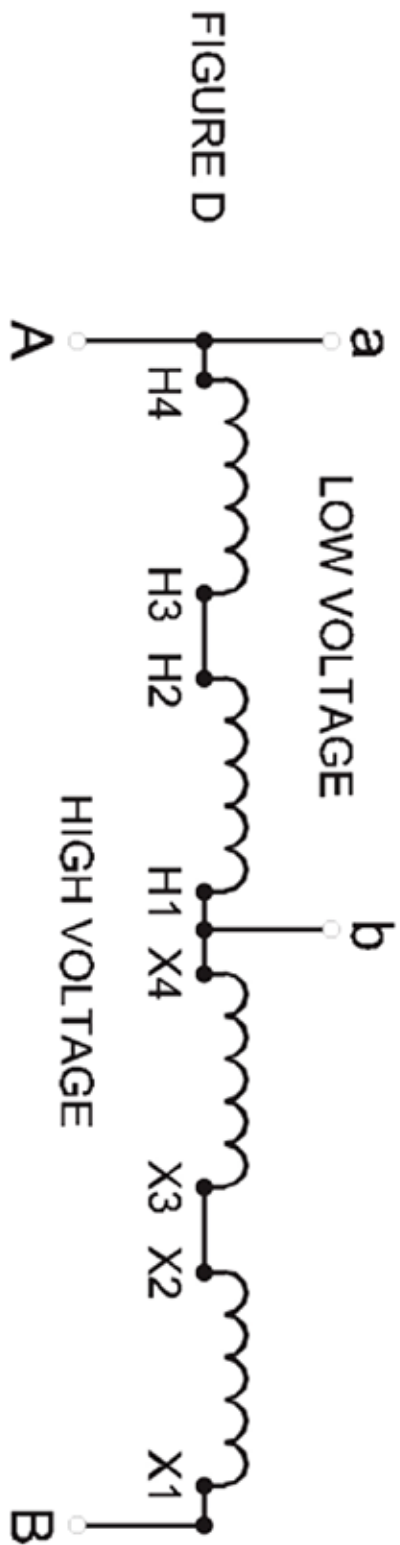
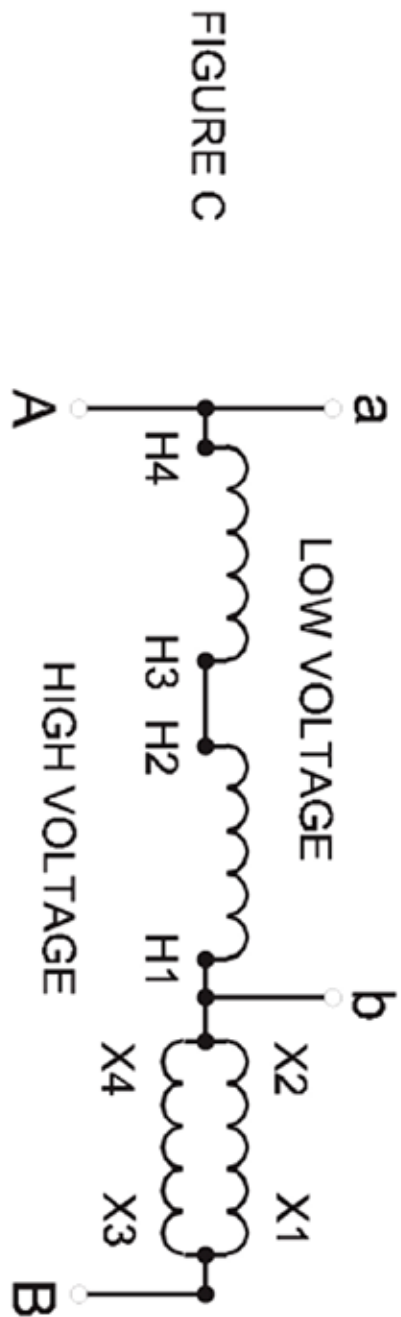


# WIRING CONT.

18 lamps per section, left to right from skin side



# WIRING CONT.



# LIMITED WARRANTY

Heartland Tanning, Inc. warrants its products to be free from defects in materials and workmanship under intended normal use as described in the unit's Operation and Instruction Manual, for a period of five (5) years from date of sale. This Limited Warranty applies only to the original purchaser of the equipment through Heartland Tanning, Inc. or its authorized dealer or distributor, and is not transferable. Heartland Tanning, Inc.'s obligations under this warranty are limited to repair or replacement of any defective part without charge for that part to the original purchaser, with the following exceptions:

- A. Low Pressure tanning lamps are warranted against defects for a period of sixty (60) days from date of sale.
- B. High Pressure tanning lamps are warranted against defects for a period of thirty (30) days from date of sale
- C. Five (5) year Limited Warranty on parts. Only parts obtained through Heartland Tanning, Inc., its authorized dealers or distributors may be used. Transportation cost for parts shipped to the consumer and the return of defective parts to Heartland Tanning, Inc. are not included
- D. Labor will be furnished without charge for ninety (90) days from the date of purchase only. All labor and related charges must be authorized by Heartland Tanning, Inc. prior to start of repairs, and must coincide with Heartland Tanning, Inc. established rates and time allotment policy.
- E. All fans are warranted against defects for a period of five (5) years from date of sale.
- F. Timer system warranted for one (1) year.
- G. Acrylic, warranted for twelve (12) months prorated.
- H. Springs warranted for twelve (12) months.
- I. Filter Glass warranted for twelve (12) months.
- J. Plastic parts warranted for (12) twelve months. (end caps, timer covers, façades, skins)
- K. Audio components warranted for one (1) year.

It is imperative that the original customer completes and returns the enclosed warranty card within ten (10) days after purchase to insure valid registration and coverage for potential claims. If the warranty card is not registered, proof of purchase from Heartland Tanning, Inc. or its authorized dealer or distributor will be required prior to any consideration on warranty claims. This could result in service delays. This warranty is extended to the individual or legal entity, whose name appears on the warranty registration card filed with Heartland Tanning, Inc., or whose name appears on the original sale document and may not be transferred to any other individual or legal entity. This warranty does not apply to any failure of the product or any parts of the product due to alterations, modifications, misuse, abuse, accident, improper maintenance and improper installation or if the serial number on the product has been removed, altered, or defaced. Adequate packaging must be used for returned goods to prevent freight damage.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND HEARTLAND TANNING, INC. NO PERSON, FIRM OR CORPORATION IS AUTHORIZED TO OBLIGATE HEARTLAND TANNING, INC. FOR ANY LIABILITY IN CONNECTION WITH THE SALE OR USE OF THESE GOODS.

This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

NOTICE: Any misuse, abuse, modifications, alteration, improper installation, etc. of this product or its intended use will subject said party to direct responsibility for any and all consequences resulting from such action. Furthermore, such actions will void all warranties and may relieve Heartland Tanning, Inc. of any liabilities relating to said product.





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