



T-Max[®]

Series Timers

T-Max[®] Manager and T-Max[®] 3A User's Guide



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1 INSTALLATION

1.1 Connecting the T-Max® Timing System

- 1) Install a T-Max® 3A in each room. Install the T-Max® Manager at the front desk.
- 2) A 50' modular cable (phone type cable) is provided with each T-Max® 3A. Run one modular cable from the T-Max® Manager location to T-Max® 3A in the nearest tanning room. Run the other modular cables from room to room in a daisy-chain fashion.



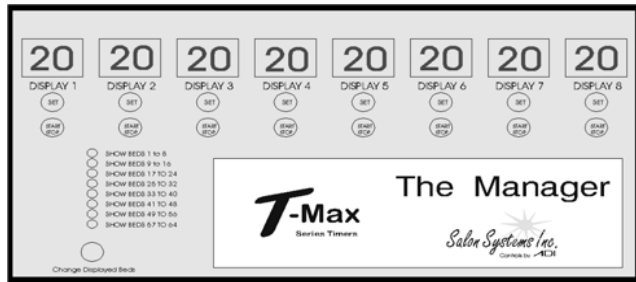
It is very important you use the cables provided with your T-Max® timers. Making your own cables is not recommended.

- 3) Connect the modular cables to each T-Max® 3A and the T-Max® Mgr. It does not matter which port you use, the top or the bottom, because there is not an in or out. When finished, each T-Max® 3A should have a modular cable connected to each port, with the exception of the last T-Max® 3A in the series.

- 4) Connect the tanning bed to the "J3 Contact" screw terminals on the back of the T-Max® 3A in each tanning room.

IMPORTANT: There may be many wires visible on the tanning bed. Two of these wires are specifically used for connecting the bed to an external timer. If you are not sure which two wires to use, refer to the tanning bed's manual or contact the bed's manufacturer.

- 5) Each T-Max® 3A came with a 9-12V power supply. Connect a power supply to the "J4 - 12VAC" screw termination block on the back of each T-Max® 3A.



Congratulations on your purchase of the T-Max® Series Tanning System. The T-Max® is designed for complete automation and control of your tanning equipment. The T-max® Manager can be used as a stand alone unit or can be controlled by a computer using many third party software packages. Manual operation is accomplished via front panel controls.

Components:

T-Max® Manager:

- 1 T-Max® Manager Unit
- 1 9V @ 800 mA Power Transformer
- 1 RS-232 Cable Com Port Adapter
- 1 ADNET 2000™ Utility Software (3.5" diskette)
- 1 T-Max® Manager User's Manual

T-Max® 3A/F (Sold separately, one required for each unit in the salon):

- 1 T-Max® 3A Timer Interface
- 1 9V @ 200mA Transformer
- 1 T-Max® 3A User's Guide
- 1 Modular cable with RJ-22 connectors on both ends

Contact your dealer if any components are missing.

Specifications:

T-Max® Manager:

- | | |
|-----------------------|---|
| Power Supply | IN: 120 VAC
OUT: 9-12V (DC or AC)@ 800mA |
| Current Draw | 800 mA |
| Dimensions | 5.25"x10"x2" |
| Communications Mgr-PC | RS-232C, 9600 Baud, 8Bit, 1 Stop Bit, No Parity |

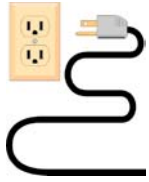
T-Max® 3A:

- | | |
|--------------|---|
| Power Supply | IN: 120 VAC
OUT: 9-12V (DC or AC)@800mA |
| Current Draw | 200mA |
| Dimensions | Cover Plate 5.25"x5.25"
T-Max 3A PCB 2.5"x3.75"x1.5" |
| Relay: | 220VAC @ 5A; SPST Form A |

Display:

- | | |
|-----------------|---|
| T-Max® Manager: | 8, two digit displays showing bed time & status |
| T-Max® 3A: | 1, two digit display showing bed time & status |

6) Plug each of the T-Max® 3A's power supplies into a standard 110V power outlet.



1.2 Auto Addressing the T-Max® 3-A Timers

Note: Customers should not be in tanning beds when auto addressing beds.

- 7) If the T-Max® Mgr has a key, turn the key one-quarter turn clockwise.
- 8) Apply power to the T-Max® Mgr. Then wait 10 seconds.
- 9) Press the Start/Stop button under displays 1 and 8 on the T-Max® Mgr at the same time until the displays change. Release the Start/Stop buttons.
- 10) Press and release the Start/Stop button under Display 2. Display 3 on the T-Max® Manager will change to 1. Each T-Max® 3A will show a "99" on their displays and beep continuously.



If you have a 3-A that is not showing **99** – check your cable connection.

11) Go to each room **in order** (1, 2, 3, 4, 5, 6 etc.) pressing the Start/Stop buttons in each room until the displays on each T-Max® 3A shows a 0.



If you want to skip a room, press the SET button under display 3 on your T-Max® Manager, and count up the number of rooms you want to skip.



The rooms do not need to be numbered in the order they are wired.

12) Press the Change Display Beds button on the lower left corner of the T-Max® Mgr. After a short pause, the T-Max® Mgr will scan and show a number under each display that represents a bed number.

Installation is now complete.



2 INDEPENDENTLY ADDRESSING 3A TIMERS



If you are installing a new T-Max® system and have just completed Section 1 (Installation), the addresses on the T-Max® 3A's are set. You do not need to independently set addresses on the T-Max® 3A's.

- 1) Unplug the power from the T-Max® Mgr. (skinniest wire).
- 2) Apply power to the T-Max® 3A. It should show a 9.9 and an alarm should sound. If it just shows a 0, go to Step 4.
- 3) Press and release the Start/Stop button. The display will flash an 8.8 and the alarm will stop. Press and release the Up button until the display stops flashing and shows a 0.
- 4) Press and hold the Start/Stop and Up buttons together, simultaneously, concurrently, and at the same time, on the T-Max® 3A until a .1 appears on the display. This should take about 5-6 seconds. Release the buttons.
- 5) Press the Start/Stop button on the display. A flashing number will appear. This is the address that the timer currently has programmed. (If it is a new timer, it will probably show a 5.2 all flashing – press the Up Arrow button counting up 5.3, 5.4, 5.5, then the counter starts over at .0, .1, etc. In most cases, counting up from 5.2 is easier than counting down.)
- 6) Press the Up or Down button until the desired address is displayed.



If you have less than 100 beds - Make sure you have a solid period, **flashing** number.

Note: When setting the addresses, remember these three rules:

- Set each T-Max® 3A to a unique address.
 - Do not set any T-Max® 3A to address 00.
 - If the period is flashing, you are over address 100.
- 7) Once the desired address is displayed, press and release the Start/Stop button. A solid .1 will be displayed.
 - 8) Press and hold both the Up and Down buttons until a 0 is displayed. Repeat Steps 2-8 for each T-Max® 3A that you are manually addressing.

2.1 T-Max® Manager

- 1) Make sure all wiring is completed. Refer to Section 3 for wiring instructions.
- 2) Make sure that the modular cable running to Room 1 is connected to the modular connector on the T-Max® Mgr (Refer to Figure F, Section 7.1.5).
- 3) Apply power to the T-Max® Mgr.

Note: On power up the T-Max® Mgr displays will momentarily show 1,2,3,4,5,6,7,8, and then the Displays 7 and 8 will show values. Display 7 is the T-Max® Mgr number, or the address the T-Max® Mgr is set to: “0” is the Master setting and 1-7 is the Slave setting. Display 8 is the software version number in the T-Max® Mgr. Refer to Section 4.2 to set up a T-Max® Mgr as a Slave.

If you are using a computer, refer to the ADNET 2000 Manual.

3 MANUAL OPERATION

Description

The T-Max® Mgr has eight LED displays across the top. These displays show bed status, eight beds at a time. Below each display are two push buttons: the Set and Start/Stop buttons. These buttons control bed operation. On the lower left side of the T-Max® Mgr are eight LEDs aligned vertically, with a push button labeled “Change Displayed Beds” at the bottom. Each LED represents 8 beds. When the top LED is displayed, beds 1-8 are shown on the displays. When the next LED is illuminated, beds 9-16 are displayed, and so on. Whichever bed is shown on the display will be the bed controlled by the two push buttons below that display. Pressing the “Change Displayed Beds” button changes which beds are displayed and controlled. (Refer to Figure E, Section 7.1.4).

On power up the T-Max® Mgr will scan the network to find all T-Max® 3As connected. Two dashes on a display indicates that a T-Max® 3A was not found at that address.

3.1 Initial Configuration

Note: If you are connected to a computer and want to go to manual control, disconnect the computer cable from the side of the T-Max® Mgr, then cycle power. If your T-Max® Mgr has the Key Lock Option, make sure Security Switch Key is turned clockwise ¼ turn. If the T-Max® Mgr is in the upright position, the key lock should be in the horizontal position. If you have already set up the T-Max® Mgr and just want to start sessions manually, go to Section 3.2.

3.1.1 Initial Setup Mode

Apply power to the T-Max® Mgr and wait until the T-Max® Mgr stops scanning. Press the Start/Stop buttons under Displays 1 and 8 simultaneously until some or all of the displays change values. Release the buttons. The display descriptions are as follows:

- Display 1 = Delay (Section 3.1.2)
- Display 2 = Auto Start (Section 3.1.3)
- Display 3 = Maximum Bed Number (Section 3.1.4)
- Display 4 = Display Mode (Section 3.1.5)
- Displays 5-8 = Parameter values stored in the T-Max® 3As. (Section 3.1.6)

3.1.2 Display 1 - Delay

Below Display 1, press the Set button to set the delay time in minutes. The maximum delay time that can be set is 10 minutes. If you want the session to start immediately, set Display 1 to 0. The delay is for every bed connected to the T-Max® Series.

3.1.3 Display 2 - Auto Start

The Auto Start mode will allow you to determine what mode the T-Max® 3A will be in after the delay time expires. Press the Set button to set the Auto Start.

- 0 - The session time will start immediately after the Delay time expires, but the bed will not energize. The Start/Stop button on the T-Max® 3A must be pressed before bed will come on.
- 1 - The session time will start and the tanning bed will energize immediately after the delay time expires.

2 - Infinite Delay. The Start/Stop button must be pressed on the T-Max® 3A to start the session. The delay time set on Display 1 (or on a computer) will be ignored.

Note: This setting is for every bed in the salon. If the Start/Stop button is pressed on the T-Max® 3A before the delay time has expired, the session will start and the bed will energize. Pressing the Start/Stop button on the T-Max® Mgr after the session has been sent to the T-Max® 3A in the tanning room will NOT turn the bed on.

3.1.4 Display 3 - Maximum Bed Number

Press the Set button under Display 3 to set the maximum bed number. This number must be either equal to or higher than the highest address to which the T-Max® 3As are set. For example, if you have six beds, but are addressing the T-Max® 3A's to 1,2,3,4,5, and 8, then set the maximum bed number to 8.

3.1.5 Display 4 - Display Mode

Display 4 allows the user to choose what will be displayed on the T-Max® Mgr after a session has ended. Press the Set button to set the value to either a "1" or "0".

- 1 - The session time that was previously entered will be displayed after the session has ended and the clean room indication has been cleared. For example, if a session time of 20 minutes was entered, after a session time has ended, a 20 will be displayed after the clean room indication is cleared.
- 0 - A "0" will be displayed after a session has ended and the clean room indication has been cleared.

3.1.6 Displays 5 through 8 - Sending and Receiving Parameters

Note: If you are using more than one T-Max® Mgr in a Master-Slave configuration, you can only monitor and send parameters from the Master T-Max® Mgr.

Displays 5 through 8 can be used to get and send parameters (lamp hours, session counts, etc.). Use Table 1 to determine which parameter you wish to check or change.

Press the Set button under Display 5 until the bed number that you want to observe or change is shown in Display 5. Press the Set button under Display 6 until the parameter number you wish to observe or change is displayed in Display 6.

3.1.6.1 Checking Parameters Stored in the T-Max® 3As

Press the Start/Stop button under Display 6. The values stored in the T-Max® 3A shown on Display 5 for the Parameter shown on Display 6 will be displayed in Displays 7 and 8.

Pressing the Set button under the Display 5 will allow you to observe the chosen parameter for each bed.

Note: If the display shows EEEE, then either the parameter stored in the T-Max® 3A is higher than 9999 or you are trying to get a parameter from a bed number you don't have.

3.1.6.2 Changing Parameters Stored in the T-Max® 3As

- 1) Press the Start/Stop and Set buttons under Displays 7 and 8 to change the value. Pressing the Set buttons will increment these values, pressing the Start/Stop buttons will decrement these values. Display 7 is the thousands and hundreds digits. Display 8 is the tens and ones digits. For example, if you set Display 7 to 78, and Display 8 to 12, then the value sent will be 7812. If the value you see is blank, 9, blank, 2, then the value is 902. A blank display = "0".

The highest value that can be sent from the T-Max® Mgr is 9999. Using PC, some values can be set as high as 65535 (see Table 1, Max #). Pressing the Start/Stop and Set buttons simultaneously under Displays 7 and 8 will set Displays 7 and 8 to 0. If you want to clear a value, such as Bulb Hours after you have changed the bulbs in your tanning bed, set Displays 7 and 8 to 0.

- 2) Press the Start/Stop button under Display 5 to send the new value to the selected timer.
- 3) To exit the Initial Setup Mode, press and release the Change Displayed Beds button.

If you are using a computer, turn the Security Key completely counter-clockwise to prevent any one else from entering the Initial Setup Mode. If you are not using a computer, the Security Key must remain in the clockwise position.

Table 1 - Parameter Numbers for Getting and Sending Parameters.

Param #	Description	Max #	Default	Notes
1	Address	255	254	Address of timer
2	Beep Mode	1	0	Used for high-pressure beds. The T-Max® 3A will beep 10 seconds half way through the session. 0=Disabled, 1=Enabled.
3	Delay Time	10	0	Delay in minutes stored in the T-Max® 3A.
4	Current Sense	1	0	T-Max® Sentry™ Option. 0=Disabled, 1=Enabled.
5	Session Counts	65535	0	Total session counts for T-Max® 3As.
6	Lamp Hours	65535	0	Bulb hours for each bed.
7	Bed Hours	65535	0	How many hours a bed is on.
8	Manual Session Counts	65535	0	Counts the # of sessions T-Max® 3A has run as a standalone timer. Sessions started from T-Max® Mgr or PC not counted.
9	Clean Room	1	1	0=Clean Room Disabled, 1=Enabled
10	Manual Lockout	1	0	0=Stand Alone Enabled, 1=Disabled. Prevents the T-Max® 3A from being an independent timer.
13	Cool Down Mode	10	0	0 = Disabled, 1-10=Enabled. Time delay in minutes allowing bed to cool. New session cannot start until time expires.
15	Fixed Session Counts	65535	0	Counts number of sessions ran through the T-Max® 3A. This value cannot be changed. Used as point of reference.
17	Clean Clear	1	0	0 = Press and hold the Set button for 3-4 seconds to clear the clean room. 1 = Press and release the Set button to instantly clear the clean room.
18	Redisplay	2	0	0=After a session ends and the clean room is cleared, the T-Max® 3A will show a 0. 1=After session ends and the clean room is cleared, the T-Max® 3A will show the last session time entered. 2 = After the session ends and the clean room is cleared, the max. time will show on the T-Max® 3A.
19	TPI	1	0	Third Party interface mode. Must be set when connecting timer to non-T-Max® timing system.
20	External Speaker	1	0	Set to a 1 if connecting an external speaker to a T-Max® 3A. Set to 0 if using speaker on the T-Max® 3A.
21	Pause Mode	1	0	0 = When session is paused, time will continue to count down. 1 = When session is paused, session time will stop counting down.
22	Auto Bed Shut Off	1	0	For T-Max Intercom Systems Only. 0 = When timer is called, bed will stay on, 1 = When timer is called, bed will shut off automatically.

3.2 Starting A Session

- 1) Press the “Change Displayed Beds” button until the desired bed is displayed (i.e. Beds 1-8, Beds 9-16, etc.).
- 2) Press the Set button below that display until the desired session time is set.
- 3) Press the Start/Stop button to start the session.
If a delay time other than 0 is entered, the delay time will be displayed on the T-Max® Mgr and the T-Max® 3A in that room. A fast flashing period will be displayed on the lower right corner on the T-Max® Mgr and T-Max® 3A displays. Once the Session starts, the session time will be displayed on the T-Max® Mgr and the T-Max® 3A. The flashing light will slow to a once per second rate.

If the Auto Start Mode is set to a 2 (Infinite Delay), the displays on the T-Max® 3A and the T-Max® Manager will show the session time with a fast flashing period on the lower right corner. The customer must press the Start/Stop button on the T-Max® 3A to start the session. The Delay will be ignored.

3.3 Pausing A Session

Press the Start/Stop button on the T-Max® 3A. The flashing period on the T-Max® 3A and the T-Max® Mgr will stop flashing and stay illuminated. The session time will continue to count and the display on the T-Max® 3A and the T-Max® Mgr will continue to reflect the remaining session time. To restart the session, press the Start/Stop button and the period will continue flashing.

3.4 Canceling A Session

To cancel a session, press the Start/Stop and Set buttons at the same time on the T-Max® Mgr under that rooms display.

If the session was canceled while the T-Max® 3A was still in Delay, the Clean Room Indication will not appear. If the Clean Room Indication is enabled on the T-Max® 3A and session was canceled after the tanning bed has been energized, the Clean Room Indication will appear on the T-Max® 3A and the T-Max® Mgr.



3.5 Clean Room

Once the session time has elapsed, the display will show two periods with no numbers, which is an indication that the room needs to be cleaned. For a complete description of Clean Room, refer to Section 7.1.

4 EXPANSION



4.1 Adding Beds

Note: Maximum times for each bed is programmed into the T-Max® 3A at the factory. When ordering the T-Max® 3As, make sure you have the maximum times for each bed.

One T-Max® Mgr will control up to 64 beds. To add beds, simply purchase a T-Max® 3A for each bed you want to add to your salon.

- 1) Wire the T-Max® 3A to the tanning bed and apply power as described in Section 1.1.
- 2) Set the address on the T-Max® 3A as described in Section 2.0.
- 3) Apply power to the T-Max® Mgr. Set the Maximum Bed Number as described in Section 3.1.4.

4.1.1 The ADNET-Repeater™ (optional)

If you are installing over 25 tanning beds, you may experience communications errors. If this happens, you may need to add a T-Max® Repeater. The ADNET-Repeater™ connects anywhere in the daisy chain and amplifies the communications signal down the rest of the line.

4.2 Adding T-Max® Mgrs

Up to 8 T-Max® Mgrs can be connected in a salon.

Note: You must have a T-Max® Slave Kit for each additional T-Max® Mgr.

- 1) Remove the back cover off each Slave T-Max® Mgr.
- 2) Set the address on the P1 jumper on each Slave T-Max® Mgr to an address other than 000 **Note:** 000 is the Master Setting and is the factory default setting. One of the T-Max® Mgrs must be set to address 000. Set each Slave to a slave address as shown in Table 5 under Figure H, Section 7.1.6.1. **Each T-Max® Mgr must have a unique address.**
- 3) Remove both Terminator Jumpers on each Slave T-Max®. Replace the backs on each T-Max® Mgr.

- 4) Connect each T-Max® Slave Kit between the T-Max® Mgrs and the cable going to the first tanning room.
- 5) Connect the Slave T-Max® Mgr to the T-Connector.
- 6) Apply power to each Slave T-Max® Mgr.
- 7) Apply power to the Master T-Max® Mgr.

Note: Each Slave T-Max® Mgr must be powered up before applying power to the Master T-Max® Mgr. If you remove then reapply power to any Slave T-Max® Mgr. you must cycle power to the Master T-Max® Mgr.

4.3 Setting Parameters on the T-Max® 3A

Note: If you are using a T-Max® Mgr and multiple T-Max® 3As, remove power from the T-Max® Mgr. Keep power removed from the T-Max® Mgr until all parameter changes are complete. Refer to Table 1 for Parameter Number Descriptions.

- 1) Remove power from the T-Max® Mgr.
- 2) Apply power to the T-Max® 3A. It should show a 9.9 and an alarm should sound.
If it just shows a 0, go to Step 4.
- 3) Press and hold the Start/Stop and Up buttons on the T-Max® 3A until a .1 appears on the display. This should take about 5-6 seconds. Release the buttons.
- 4) Press the Up and Down buttons until the parameter number that you want is displayed.
- 5) Press the Start/Stop button to observe the current value for that parameter.
The Display will show a number with a period in the lower center of the display. The numbers will stop flashing and stay illuminated. The number shown is the current value for that parameter.
For Lamp Hours, Session Counts, etc. the value displayed can be as high as 9999. To display this value, the T-Max® 3A will flash two numbers-three times, then two numbers-three times, pause, two numbers-three times, two numbers-three times, pause, etc. For example, if you are checking lamp hours (Parameter 6) and the display flashes the numbers 53 three times, then 14 three times, pauses then repeats, then the total lamp hours stored in that T-Max® 3A is 5314.
- 6) Press the Up and Down buttons to change the parameter to the desired value.
If you want to clear the value for that parameter, press the Up and Down buttons at the same time until the display shows “.0”.
- 7) Press the Start/Stop button.

The display will show the parameter number you just changed and a solid period in the lower center of the display. You may now change another parameter by pressing the Up and Down buttons until the parameter you want is displayed. Repeat Steps 2-4.

- 8) To exit the Parameter mode press and hold both the Up and Down buttons until the display shows a 0 with no periods displayed.

4.3.1 Setting the Address

Refer to Section 2.0 on setting the address on the T-Max® 3A manually.

4.3.2 Setting Delay Time

Note: If you are using the T-Max® Mgr, delay does not need to be set on the T-Max® 3A.

- 1) Press and hold the Start/Stop button and apply power to the T-Max® 3A. A “.1” will appear on the display. Release the Start/Stop button.
- 2) Press the Up and Down button until a .3 is displayed.
- 3) Press and release the Start/Stop button.
A flashing number with a period illuminated in the center will appear on the display. This is the current delay time.
- 4) Press the Up and Down button until the desired delay time is displayed. The highest delay time that can be set on the T-Max® 3A is 10 minutes. If you do not want a delay time, set the display to 0. If you set the Delay Time to 0, the session time will start immediately after the Start/Stop button is pressed.
- 5) Press the Start/Stop button until a .3 is displayed. The 3 will not flash. To exit Parameter Mode, press and hold the Up and Down button until a 0 is displayed.

5 IN-ROOM SINGLE BED CONTROL

5.1 Starting a Session

If you are using a T-Max® Mgr, and you want to use the T-Max® 3As manually, you must unplug power from the T-Max® Mgr then unplug power from the T-Max® 3A and plug it back in. Power must stay removed from the T-Max® Mgr while the T-Max® 3A is being used independently.

- 1) Press the Up or Down buttons on the T-Max® 3A until the session time is displayed. If the display shows a 0 and you want to go to the maximum time, press the down button.

- 2) Press and release the Start/Stop button to start the session. If a delay time other than 0 is entered, 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 a once per second rate.

5.2 Pausing a Session

To pause sessions press the Start/Stop button. The flashing period on the lower right corner of the display will stop flashing. The session time will continue to count down.

To restart the session, press the Start/Stop button on the T-Max® 3A. The period on the lower right corner of the display will resume flashing.

5.3 Canceling a Session

To cancel sessions press the Start/Stop button to pause the session then press the Up button. The display will show a solitary 0.

6 REMOTE SINGLE BED CONTROL

A T-Max® 3A can be used to control another T-Max® 3A. This is ideal for small salons that are not using a T-Max® Mgr. Two T-Max® 3As are required for remote single bed control.



6.1 Wiring

Place one T-Max® 3A in the tanning room and one at the desired remote location. Connect the 9V @ 200mA power supply to the power in on the back of each T-Max® 3A. Plug each power supply into a 120VAC outlet (refer to Figure A, Section 7.1). Connect the T-Max® 3A in the tanning room to the tanning bed as described in Section 1.1, Step 4.

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 each T-Max® 3A.

6.2 Configuration

Set the address on the T-Max® 3A in the tanning room to “1”, and the address on the T-Max® 3A at the front desk to “0” as described in Section 2.0. Disconnect the modular cables when setting the addresses on both T-Max® 3As.

Use the Front Desk T-Max® 3A to set the Delay as described in Section 4.3.2. Any delay time set on the T-Max® 3A in the tanning room will be ignored.

6.3 Session Control

6.3.1 Starting a session

- 1) Press the Up (or Down) button on the T-Max® 3A at the front desk until the session time is displayed.
- 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 there is no delay entered, the session will start immediately.

6.3.2 Pausing During the Session

To pause the session, press the Start/Stop button on the T-Max® 3A in the tanning room. The flashing period on the lower right corner of the display will stop flashing and stay illuminated. The session time will continue to count down and reflect the remaining session time. To restart the session, press the Start/Stop button on the T-Max® 3A in the tanning room. The period will continue flashing.

6.4 Canceling a Session

Press the Start/Stop and Up buttons on the T-Max® 3A at the front desk at the same time.

7 OTHER FEATURES and OPTIONS

7.1 Clean Room

Once the session time has elapsed, the display will show two solid periods only. This is an indication that the room needs to be cleaned. To clear the clean room indication, press and hold the Up button on the T-Max® 3A in the tanning room until the two periods disappear and a “0” appears. To disable the clean room feature, set parameter 9 to a 0 (Refer to Section 3.1.6.2 if you are using the T-Max® Mgr manually, or Section 4.3 if you want to disable Clean Room at the T-Max® 3A).

If the Clean Room and Cool Down Modes are enabled, the clean room will be displayed, ADNET will show Dirty, but the Cool Down time will be shown counting down. If a room is cleaned before the cool down time has elapsed or if the clean room is disabled, a solid period will be displayed on the lower center on the T-Max® 3A and the T-Max® Mgr. The ADNET screen will show Cool with the cool down time counting down. You cannot start a session until the cool down time has elapsed.



7.2 Cool Down Mode

Cool Down mode is used for beds that require a time to cool down before the next session can be run. High-pressure beds primarily use this. While the T-Max® 3A is in Cool Down Mode, a session cannot be run until the cool down time has expired.

To enable Cool Down Mode, set parameter 13 to the time in minutes you want the cool down time to last. Setting parameter 13 to 0 disables Cool Down Mode. (Refer to Section 3.1.6.2 if you are using the T-Max® Mgr manually, Section 4.3 if you want to disable Clean Room at the T-Max® 3A.)

After the session ends, the T-Max® 3A will go into Cool Down Mode. A single period will be displayed on the T-Max® 3A and the T-Max® Mgr for the duration of the cool down time. ADNET will show Cool with the time counting down. If Clean Room is also enabled, the Clean Room will be displayed. ADNET will show Dirty, but the Cool Down time will be shown counting down. If the room is cleaned before the cool down time has elapsed or if the clean room is disabled, a solid period will be displayed on the lower center on the T-Max® 3A and the T-Max® Mgr. The ADNET screen will show Cool with the cool down time counting down. You cannot start a session until the cool down time has elapsed.

7.3 T-Max® Monitor/Plus

The T-Max® Monitor/Plus allows the salon owner to check the status of all the beds at any place in the salon.

The T-Max® Monitor/Plus has 16 LED displays showing remaining session time. Multiple T-Max® Monitor/Plus' can be connected for large salons. The T-Max® Monitor/Plus can be connected anywhere in the T-Max® chain. You can connect them at the front desk if you want to glance over and see remaining session time, or you can place them anywhere else in the salon so the cleaning staff can see how much session time is remaining for each room. Contact your dealer for more information.

7.4 High Pressure (Single-Sided) Beds

The T-Max® 3A has an alarm that will beep for 10 seconds half way through the session informing the customer to turn over. If you are not using a T-Max® Mgr, this option must be enabled at the factory.

If you are using a computer, refer to the ADNET 2000 manual and set parameter 2 to a 1 for the bed that you are enabling the Mid-Session Flip alarm. If you are using the T-Max® Mgr manually, refer to Section 3.1.6.2 on how to send parameters manually.

7.4.1 Installing External Speaker (Optional)

If the speaker on the T-Max® 3A is not loud enough, a T-Max® Speaker that connects to the T-Max® 3A is available. To install the T-Max® Speaker do the following. See Figure B Section 7.1.2 for J6 location and J99 and J100 locations and jumper positions.

- 1) Connect the cable on the T-Max® Speaker to the J6 on the back of the T-Max® 3A.
- 2) Place the Jumper on J100 to pins 2 and 3 on the back of the T-Max® 3A .
- 3) Set Parameter 20 to a 1 (Refer to Section 3.1.6.2 if you are using the T-Max® Mgr manually or Section 4.3 if you want to enable this function at the T-Max® 3A).

7.5 Connecting a Remote Push Button to the T-Max® 3A (optional)

A T-Max® 3A can be used to control another T-Max® 3A. This is ideal for small salons that are not using a T-Max® Mgr. Two T-Max® 3As are required for remote single bed control.

A remote push button can be connected to the T-Max® 3A to start sessions. You can get an external start kit from your distributor that provides a 50' cable with a pushbutton and a wall mounting plate.

Connect the wires from your external push button circuit to the “EXT START” screw terminals on the back of the T-Max® 3A. Place a jumper on J100-pins 2 & 3 (See Figure B, Section 7.1.2 for jumper locations. See Figure J Section 7.1.8 for an example of an External Push Button circuit).

When the external push button is pressed, a contact closure is applied to the Ext. Start screw terminals on the back of T-Max® 3A.

To start a session, press the Up or Down button on the T-Max® 3A to set the time, then when ready, press the Remote push button instead of the Start/Stop button on the T-Max® 3A.



7.6 T-Max® Enclosure (Optional)

The T-Max® Enclosure is a metal box that connects to a T-Max® 3A so that they can either be hung on a wall or set on a table. Teardrop holes on the back of the T-Max® Enclosure allow for easy installation.

The T-Max® Enclosure is slanted to make the T-Max® 3A push buttons and display easy to access and read. The T-Max® 3A can fit so that it is slanted up or down. Slanted up is ideal for setting the timer on a desk. Slanted down is great for hanging the T-Max® 3A on a wall.

To install the T-Max® 3A to the T-Max® Enclosure, first run the cable through the wire holes on the T-Max® Enclosure and connect them to the T-Max® 3A as described in Section 1.1. Connect the grommets to hold the wires in tight. Plug any unused holes with the provided plastic plugs. Connect the T-Max® 3A to the T-Max® Enclosure using the four screws provided with the T-Max® 3A.

7.7 ADNET Opto-Isolator (Optional)

The ADNET Opto-Isolator® is a device that isolates both sides of the communications between the T-Max® Manager and the rest of the salon. By converting the data signal from the T-Max® Manager to light, then back to hard wire, the two sides of the communications connected to the Opto-Isolator are physically disconnected. Communications passes through. This helps prevent damage due to power surges, and remedies problems caused by ground isolation problems found in some buildings.

7.7.1 Connecting the Adnet Opto-Isolator® in a T-Max® Series Daisy Chain

1. Disconnect the modular cable from the T-Max® Manager.
2. Connect the cable that was disconnected from the T-Max® Manager (the cable connected to the first timer in the daisy-chain) to the **Output** RJ-22 modular port on the ADNET Opto-Isolator®.
3. Connect one end of the modular cable that was provided with the ADNET Opto-Isolator® to **Input** RJ-22 connector on the ADNET Opto-Isolator®.
4. Connect the other end of the modular cable that was provided with the ADNET Opto-Isolator® to the T-Max® Manager.
5. Apply Power to the ADNET Opto-Isolator® by connecting both provided power supplies to the 9-12V AC power input terminals and then plugging the power supplies into a standard 110VAC outlet.

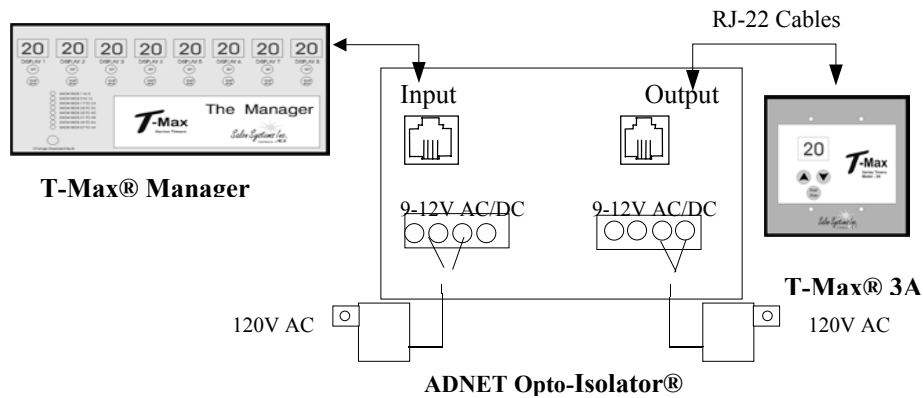


Figure A - Front View Of The T-Max® 3A

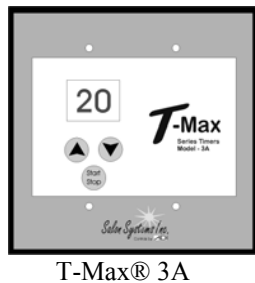


Figure B - Rear View Of T-Max® 3A Circuit Board

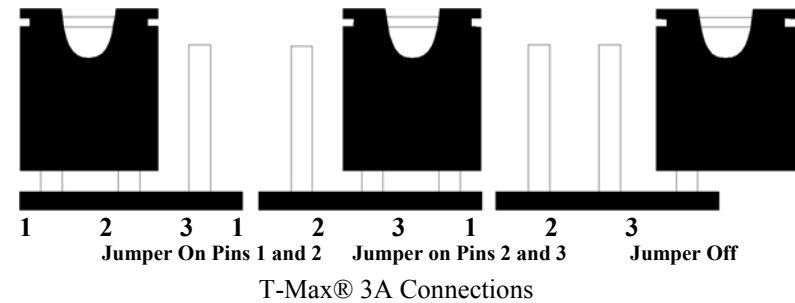
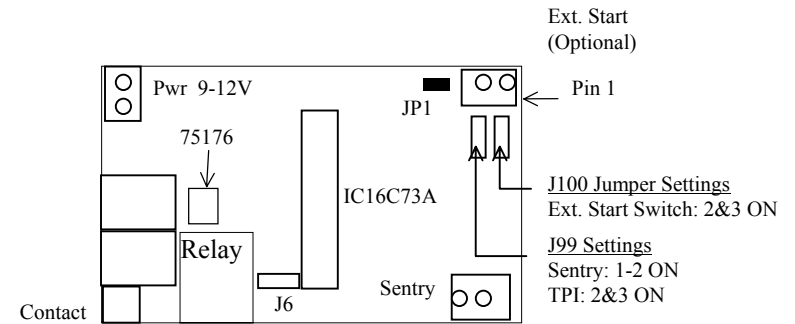
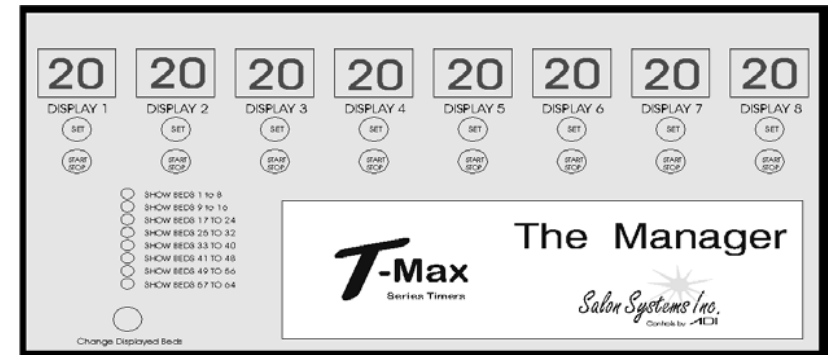


Figure E - The T-Max® Manager



Front View of the T-Max® Manager