



Quick-Start Document

This document provides the information to quickly connect and set up your SY-TT10-SA™ Timer for either HVA-3 or Remote Digital Timer.

Overview of the SY-TT10-SA

The SY-TT10-SA (Called TT-10 in this document) will control up to ten tanning units. For this document “tanning units” can mean a tanning bed, booth, spray booth, massage table, or any other device you want a timed control of. The controller is designed for stand alone operation and can not be hooked up to or controlled by a computer. Each timer is separate of each other. Operation of one timer does not affect the operation of any other. Each timer is individually programmed and contains usage meters for that timer.

Connecting the SY-TT10-SA to a tanning unit

The first decision to make is what method the TT-10 is going to use to control the tanning unit. The TT-10 can not be connected directly to a tanning unit without a intermediate component between the tanning unit and the TT-10. This intermediate unit can be either a HVA-3 or a SY-TT10-ADPT. You will need either one HVA-3 or SY-TT10-ADPT per tanning unit.

What the intermediate adapters do

HVA-3:

Contains one dry contact relay and connection for the remote start/stop button. The dry contact relay can be thought of like a remotely controlled light switch. The relay makes contact between the two “switching leg” wires coming out of the HVA-3. The HVA-3 does not have a display and usually mounts behind the tanning unit and is not seen by the user.

SY-TT10-ADPT:

Provides an interface for the data signal between the SY-TT10-SA and the remote digital timer. This allows the TT-10 to “talk and listen” to the remote timer sending session time, delay time, and receiving status of the session.

How to decide which intermediate unit to use

If the tanning unit has a digital timer built in that can talk to any of these front room controllers, TanTime, T-Max®^[1], or Intellitan®^[2] then you should use the SY-TT10-ADPT.

If the tanning unit has a digital timer in the room such as a TanTime RU-XM™ or a T-Max 3A® or you wish to have a remote timer with a display in the room you have to use the SY-TT10-ADPT.

If the tanning unit does not have a digital timer built in or the timer does not “talk” to any of the front room controllers listed above you must use an HVA-3.

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Connecting to the Bed using an HVA-3

Follow the instructions included with the HVA-3 Kit for connecting to the bed's switching leg and remote start stop button installation. Connect the HVA-3 connection cable (phone line) to the corresponding timer port on the rear of the SY-TT10-SA.

Connecting to a remote digital timer

The SY-TT10-SA will also control a number of remote digital timers. You must use the SY-TT10-ADPT unit to connect the TT-10 timer port to the remote digital timer. If you have questions about the ability to connect to the digital timer please contact TanTime at (206) 767-7262

[1]

[2]

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TanTime Timers are not the exact equivalent of T-Max® or Sun Ergoline® timers, and may not operate with these controllers in exactly the same manner and with all of the same characteristics as would a T-Max® or Sun Ergoline® timer.



Quick-Start Setup Instructions, SY-TT10-SA

Full Setup and Operating Instructions

These Instructions are intended to aid in quickly setting up a timer for use with an HVA-3 in the room.

Setting Timer Parameters for each timer

Each timer must be set individually. In the following process, a specific parameter is indicated by a letter code shown for 2 seconds before the value digit(s) are shown. Pressing a button while the letter code is showing will have no effect. While the value digit(s) are shown the value may be changed by pressing the **Set Time** button. For an individual parameter, when the value reaches the upper limit stated in **Table 3**, continuing to press **Set Time** will roll the value over to the minimum stated for that parameter in **Table 3**. Pressing the **Start / Stop** button while the value digit(s) are shown will save the value shown and advance to the next parameter. When the **Start / Stop** button is pressed on the last parameter, the Timer will save that parameter, Reset, and be ready for operation.

You must start with the first parameter and go through to the last parameter in order. Each parameter may be accepted as displayed by pressing the **Start / Stop** button to advance to the next parameter. Changing a parameter is done with the **Set Time** button before advancing to the next parameter. To Begin:

- Power down the SY-TT10-SA and the re-apply power. The timer will go through its start up routine.
- When the display shows “- -” press and hold both buttons again until the display goes blank, then release both buttons.
- The display flashes **OP** for 2 seconds, then displays the Operation Mode number. Press the **Set Time** button to change the Operating Mode. (See **Table 3**). Press **Start / Stop** to advance to the next parameter.
- The display flashes **Ad** for 2 seconds, then displays the current timer address. Press the **Set Time** button to change the address. Set Address to 1 for HVA-3 Operation. Set Address to 0 to connect the timer to remote digital timer. For details see **Full Setup and Operating Instructions**. Press **Start / Stop** to advance to the next parameter.
- The display flashes **Pd** for 2 seconds, then displays the prestart delay time. Press the **Set Time** button to change the time. Press **Start / Stop** to advance to the next parameter.
- The display flashes **SL** for 2 seconds, then displays the Maximum Session time. Press the **Set Time** button to change the time. Press **Start / Stop** to advance to the next parameter.
- The display flashes **cd** for 2 seconds, then displays the Cool Down time. Press the **Set Time** button to change the time. Press **Start / Stop** to advance to the next parameter.
- The display flashes **r** for 2 seconds, then displays the Run Mode number. Press the **Set Time** button to change the Run Mode. (See **Table 3**). Press **Start / Stop** to advance to the next parameter.
- The display flashes **P** for 2 seconds, then displays the Pause Mode. Press the **Set Time** button to change the Pause Mode. (See **Table 3**). Press **Start / Stop** to advance to the next parameter.
- The display flashes **Cb** for 2 seconds, then displays the Clean Bed Mode. Press the **Set Time** button to change the Clean Bed Mode. (See **Table 3**). Press **Start / Stop** to advance to the next parameter.
- The display flashes **CC** for 2 seconds, then displays the Clean Clear Mode. Press the **Set Time** button to change the Clean Clear Mode. (See **Table 3**). Press **Start / Stop** to complete setting the Parameters and return to timer operation.

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Table 3

	TanTime Control Feature Number	Delay Lamp	Session Lamp	Parameter Letter Code (flashed)	Value Range
Operating Mode	NA	Off	Off	OP	0 =Tantime™ Mode 1 =T-Max® Mode (<i>FOR USE WITH AN HVA-3</i>) 2 =Intellitan® Mode
Timer Address	1	On	On	Ad	0 or 1 <i>SET TO 1 FOR HVA-3 USE</i>
Stand-Alone Delay Time	2	On	Off	Pd	0 to 10 (in minutes)
Maximum Session Time	14	Off	On	SL	2 to maximum chip time ‡
Cool Down Time	9	Off	Off	cd	0 to 10 (Number of minutes after end of a session that a new session can not be started)
Run Mode (<i>Stand-Alone, After Delay</i>) ‡‡	15	Off	Off	r	0 = Bed starts automatically after delay time 1 = After delay, session time runs, but bed does not start until user presses Remote Start / Stop
Pause Mode	12	Off	Off	P	0 = When session is paused timer will continue to count down 1 = When session is paused timer will stop counting down
Clean Bed	7	Off	Off	Cb	0 = Clean Bed mode disable 1 = Clean Bed mode enabled
Clean Clear	11	Off	Off	CC	0 = Press and release will instantly clear 1 = Press and hold button for 4 seconds to clear
Reset-Sequence begins					

* Use 1 for use with an HVA-3. Use address 0 for use with a remote digital timer

‡ The Maximum time hard programmed into the timer chip.

‡‡ In addition to Run Modes 0 and 1 an “Indefinite Start Delay” may be used by setting time on the timer and NOT pressing **Start / Stop** on the timer. In this manner the session will start only when the user presses the **Remote Start / Stop** button in the room.

Setup for Remote Digital Timer

Controlling a remote digital timer

The TanTime™ SY-TT10-SA™ timer may be used to remotely control another TanTime™ System™ timer or a T-Max® 3A® style timer in a master / slave fashion. To set up a TanTime™ System™ timer to control another timer see **Setting Parameters to Remotely Control another Timer (Address set to 0)** earlier in this manual.

The Sy-tt10-sa may set the session time (up to the maximum time allowed on the slave timer) and cancel the current operation. The Sy-tt10-sa displays the status of the slave timer at all times. **Table 5** lists the display status and meanings of each indication on the Sy-tt10-sa.

Sy-tt10-sa Operation

NOTE: Both the Sy-tt10-sa and the slave must be in the same Operating Mode.

Reset-Sequence

As shown in **Table 2**, the Reset-Sequence ends with the display showing “ A” until a slave timer is found. Pressing the **Start / Stop** button while the display shows “ A” will pause the “transmit” function of the Sy-tt10-sa, causing the display to flash “ A”. The sy-tt10-sa will not communicate with the slave timer when transmit is paused. This allows the slave timer to be accessed manually to read meters, set parameters, or other necessary manual operations. Once the slave timer is ready, pressing the **Stop / Start** button resumes operation. Pressing the **Set Time** button while the display is flashing “ A” will reset the Sy-tt10-sa. After the Sy-tt10-sa has found the slave timer it will continually display the status of the slave timer.

Starting a Session

The slave timer must be idle to start a session. The displays of both timers will show “ 0” (zero). Pressing the **Set Time** button on the Sy-tt10-sa will turn on the **Session** lamp and the display will show the maximum time allowed on the slave timer. You may press the **Set Time** button on the Sy-tt10-sa to change the time to a value between zero and this maximum. Once the desired time is displayed pressing the **Start / Stop** button will send the time to the slave timer and start the session. To cancel the session without starting set the time to zero and press the **Start / Stop** button.

Status Display

Once the slave timer has been found, the Sy-tt10-sa continuously displays the status of the slave timer. See **Table 5** for a listing of displays and the meanings of each. Pressing and holding the **Set Time** button while the slave timer is in session will display the remaining seconds for the current event. This is a good way to monitor exact status of the remote timer. Note: Minutes are displayed as whole minutes, i.e. A session time of 16 minutes and 29 seconds will be displayed as 17 minutes. Pressing and holding the **Set Time** button will display the 29 seconds.

Setup for Remote Digital Timer

Sy-tt10-sa Operation (Continued)

Canceling a Session

To cancel a session or event press the **Start / Stop** button on the Sy-tt10-sa. The display will flash the current status of the slave timer. To cancel the event press the **Set Time** button. To escape without canceling the current event press the **Start / Stop** button and the display will stop flashing. For example, to end a running session;

- Press the **Start / Stop** button on the Sy-tt10-sa. The display will flash the current status of the slave timer.
- Press the **Set Time** button on the Sy-tt10-sa. The display will show the Cool Down time set on the slave timer and the bed lamps will turn off. If the Cool Down time is more than 0, the **Session** lamp will be on. If the Clean Bed feature is enabled, both the **Session** and **Delay** lamps will be on.
- Pressing the **Start / Stop** button again will allow you to clear the Clean Bed condition if it was set. The display will start flashing the Cool Down time remaining. (" 0" if no Cool Down time is remaining)
- Pressing the **Set Time** button will clear the Clean Bed condition. The **Session** lamp will turn off and, if the Cool Down time is at 0, the **Delay** lamp will also go off.
- Note: *The Cool Down time may not be cleared in any fashion.*

Resetting the Sy-tt10-sa

To reset the Sy-tt10-sa remove power from the timer then reapply.

Table 5

Each lamp may be Off, On solid, flash Slow (once per second), or flash Fast (twice or more per second).

Display	Delay Lamp	Session Lamp	Timer Status
A	Off	Off	Looking for slave timer.
Flashing A	Off	Off	Transmit paused. Restart by pressing Start / Stop
0 - 30	Fast	Off	Slave timer in prestart delay. Numeral shows delay time remaining. NOTE: if start mode = 2 then slave unit is waiting for session start. Numeral shows session time.
0 - 30	Off	Slow	Slave timer is running session. Numeral shows session time remaining.
0 - 30	Off	Fast	Slave timer is paused. Numeral(s) show session time remaining.
0 - 30	On	On	Slave unit indicating dirty bed. Numeral(s) show cool down time remaining.
0 - 30	On	Off	Slave timer in cool down delay. Numeral(s) show cool down time remaining.
Flashing 0 - 30	Same as slave status	Same as slave status	The Sy-tt10-sa is ready to cancel the current operation of the slave. Press Start / Stop to continue current the operation of the slave. Press Set Time to cancel the current operation of the slave.

Quick-Start Operating Instructions, SY-TT10-SA

Operation with an HVA-3 OR Remote Digital Timer

Running a Tanning Session Manually

The timer must be idle, i.e., ready to use with the display showing “0” and neither the Delay or Session lights illuminated nor flashing. Press the **Set Time** button to advance the displayed value to the desired session time. If the displayed value is greater than desired, you must continue advancing through the Maximum Session Time for your timer. (The Maximum Session Time for your timer is covered in the previous section titled **Setting Timer Parameters.**)

With the desired session time displayed, pressing the **Start / Stop** button will start the tanning session. Note that once a tanning session has been started it will be recorded in the meters even if it is canceled before the bed is turned on. (An “Indefinite Start Delay” may be used by setting time on the timer and NOT pressing **Start / Stop** on the timer. In this manner the tanning bed / booth will start only when the user presses the **Remote Start / Stop** button in the room, if one is provided.)

Terminating a Delay Time Manually

Once a tanning session has been started, if a Stand-Alone Delay time has been set, the display will now show the delay time and the Delay lamp will flash. The delay time may be bypassed and the tanning bed started by pressing the **Start / Stop** button or the **Remote Start / Stop** button in the room if provided. The session time will now be displayed, the Session lamp will flash slow, and the tanning bed will start.

Pausing a Tanning Session Manually

Press the **Start/Stop** (or **Remote Start/Stop** button if provided) once to pause a tanning session. Press the **Start/Stop** (or **Remote Start/Stop** button if provided) again to resume a session.

Note: There must be a minimum of 4 seconds between button presses.

Canceling a Tanning Session Manually

When operating in Stand-Alone and the session has been paused for a minimum of four seconds as described above, the session may then be terminated by pressing the **Set Time** button.

*Note: Canceling a session using the **Set Time** button is disabled while operating under a front-room-controller.*

Clearing a Clean Bed Alert

If the Clean Bed mode is enabled, when the tanning session has been completed the display will be blank and both the **Delay** and **Session** lamps will illuminate. After cleaning the room for the next user, press and hold **Set Time** button or a remote **Start / Stop** if provided, until both the **Delay** and **Session** lamps go out and the display shows “0”. (If only the **Session** lamp goes out and the display remains blank, the Cool Down mode has been enabled and must time out. It is not possible to bypass the Cool Down cycle once it has begun.)

Quick-Start Operating Instructions, SY-TT10-SA

Internal Meters for HVA-3 operation

NOTE: For timers that are connected to a remote digital timer the meters must be read on the remote digital timer.

There are six internal meters shown in **Table 7** that may be read while in HVA-3 operation. Three of these meters, TanTime™ Control Features 3, 5 & 4, may also be cleared at the Timer or by the front-room-controller. One meter, TanTime™ Control Feature 6, may only be cleared by the front-room-controller. Two meters, TanTime™ Control Features 10 and 13, are permanent and may NOT be cleared at the Timer or by the front-room-controller. The Permanent Hour meter, TanTime™ Control Feature 13, is an exclusive feature of TanTime™ and may not be read by a T-Max® Manager. **Table 6** illustrates all of these meters.

Reading and Clearing the Meters

To read the six meters described above the System™ Timer must be in Mode 1 and off-line. Press and hold the **Start / Stop** and then the **Set Time** buttons simultaneously. The display will show “_ _”. Continue holding both buttons until the display goes blank, then release both buttons. The display will show “rS”. This indicates the following data will be the Resetable Session counter. Press the **Start / Stop** button to advance to the first two digits of the counter. Record these digits on the System™ Timer Meter Log Sheet in the left two spaces under “rS” “# of Sessions”. Press **Start / Stop** again. The display will blink and then display the next two digits. Write these in the center two spaces on the Log Sheet. Press **Start / Stop** again. The display will blink and display the last two digits of this meter. Write these in the right two spaces on the Log Sheet. Press **Start / Stop** again. The display is now blinking “cS”. This indicates “clear Session Counter”.

While the display is blinking “cS”, you may clear the meter to “000000”. To clear this meter, press and hold the **Set Time** button for about 2 seconds. The display changes to the next function, in this case, “rH”. If you do not want to clear the meter, do NOT press **Set Time**, but press **Start / Stop** again to advance to the next function, in this case, “rH”. Follow the same process to read and clear, if desired, the Session Hour and Lamp Hour meters.

To exit and stop reading the meters press and hold **Set Time** and immediately press and hold **Start / Stop** with it. This will cause the timer to stop reading meters and Reset.

Table 6 shows all of the meter indications. Pressing the **Start / Stop** button will advance to the next display. Pressing **Set Time** then immediately pressing **Start / Stop** will always cause the timer to exit reading the meters and start the Reset Sequence. When the display is flashing “cS”, “cH”, or “cL”, pressing and holding the **Set Time** button until the display changes to the next function will always clear the meter that had just been displayed. The last three meters are permanent and may not be cleared.

Table 6

Meter to be Read	2 left digits	2 center digits	2 right digits	Meter to be Cleared
rS (# of Sessions)	<i>2 digits</i>	<i>2 digits</i>	<i>2 digits</i>	cS (flashing)
rH (Session Hours)	<i>2 digits</i>	<i>2 digits</i>	<i>2 digits</i>	cH (flashing)
rL (Lamp Hours)	<i>2 digits</i>	<i>2 digits</i>	<i>2 digits</i>	cL (flashing)
PS (# of Sessions)	<i>2 digits</i>	<i>2 digits</i>	<i>2 digits</i>	
PH (Session Hours)	<i>2 digits</i>	<i>2 digits</i>	<i>2 digits</i>	
PA (# of Stand-Alone Sessions)	<i>2 digits</i>	<i>2 digits</i>	<i>2 digits</i>	

