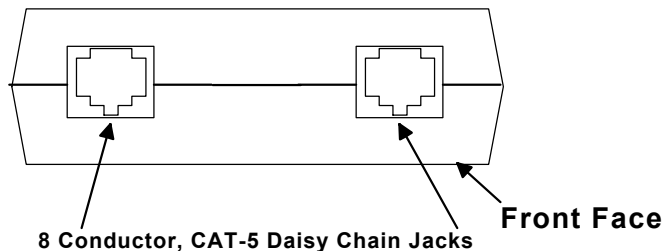


Figure 1



REMOTE KIT INSTRUCTION SET For TanTime OEM Tanning units

Application restrictions

This timer has been preprogrammed for operation as a remote master controller. It has also been packaged for use with a Focus tanning unit only. See page 4 for settings and page 6 for remote timer operating instructions.

Quick-Start Document

This document provides the information to quickly connect and set up your SY-TT-1™ Timer Remote Operation. This document is valid for both TT-1 and RU-DS

Setup

You must first set your bed timer to an address of "1" to work with the remote timer. See instructions on Page 2 to do this. Once you have set the bed timer's address then connect the remote timer to the center RJ-45, (8 pin plug), port on the bed. The remote timer should display an A for a few seconds then go to zero. The remote timer is now ready to use. If the display does not show an "A" make sure the address of the remote timer is set to "0". If the "A" does not clear make sure the bed timer address is set to "1".

Physical Components

The System TT-1Remote Kit consists of two major components:

SY-TT1 or RU-DS Timer - timer module with 2 digit display, Set Time button and Start/Stop button

CAT-5 Cable - The cable is used to both provide power for the Timer and communication between the timer and the tanning unit.

Physical Connections, see Figure 6 on page 8.

After you have set up the bed timer connect one end of the Cat-5 cable to either of the Daisy Chain jacks on the SY-TT1 and the other end to the center RJ-45 connector on the tanning unit. This is the only connection you need to make. The timer display should illuminate when connected.

SLY-TT-REM Remote Instructions, v4.3rem

Tanning Bed Timer Setup

To use the SY-TT1 as a remote controller the timer on the bed must be set to address 1. Make sure the remote timer is NOT CONNECTED to the bed timer when setting the address. Other timer parameters you will need to set are Session Limit, Start Mode, Run Mode, Clean Bed, and Clean Clear. See Table 3 for the functions of these parameters and choose your preferences before programming the bed timer.

Setting Timer Parameters

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.

To read and set at the timer any of the parameters the timer must NOT be connected to a front-room-controller.

(If the display shows "OL" when a button is pressed, it is still on-line and needs to be brought off-line. To do this press and hold the Set Time button until the timer goes through its reset sequence, the button must be held for at least 15 seconds. If the display shows "LO" then Stand-Alone Lockout is set to "1". Stand-Alone Lockout must be cleared before attempting to perform any mode changes or operation without a front-room-controller. Contact TanTime for instructions on clearing the "LO" bit.

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:

- Press and hold the **Start / Stop** and then the **Set Time** buttons simultaneously. The display will show " _ _ ". Immediately release both buttons and the timer will begin the Reset-Sequence.
- 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. **This must be set to 1 to allow the remote to function.** 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 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.

SLY-TT-REM Remote Instructions, v4.3rem

- The display flashes **P** for 2 seconds, then displays the 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 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 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.

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 (use for Stand-Alone) 2 =Intellitan® Mode
Timer Address	1	On	On	Ad	1 to 99 *
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 addresses 1 through 99 to use the timer with a front room controller. Address 0 is reserved for using the timer to remotely control a second timer operating in the same Mode.

‡ The Maximum time hard programmed into the timer chip.



SY-TT-REM Remote Instructions, v4.3rem

Setting SY-TT-1 Remote timer Parameters to Remotely Control Tanning Bed

The SY-TT-1 Timer is shipped preset with the following;

Operating Mode	“OP”	1
Timer Address	“AD”	0
Prestart Delay Time	“Pd”	3
Start Mode	“rS”	1

If you desire different settings follow the procedure below. See **Table 4** on the next page for parameter details.

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 4**, continuing to press **Set Time** will roll the value over to the minimum stated for that parameter in **Table 4**. 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.

To read and set at the timer any of the parameters the timer must NOT be connected to a front-room-controller and you must start with the first parameter and go through to the last parameter in order. Any parameter can 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:

- Remove the Cat-5 cable to power down the timer. Then plug the Cat-5 cable back in to power the timer up and start the reset sequence.
- 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 set the Operating Mode to 1. (See **Table 4**). Press **Start / Stop** to save and 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 to 0 (zero). Address 0 is reserved for using the timer to remotely control a second timer operating in the same Mode. Press **Start / Stop** to advance to the next parameter. If the Operating Mode was set to Mode 2 (Intellitan® Mode), pressing **Start / Stop** will end the parameter setting and start the timer operating as a master controller.
- (For Operating Modes 0 or 1 only) The display flashes **Pd** for 2 seconds, then displays the Prestart Delay time. Press the **Set Time** button to change the time. This timer will override the Prestart Delay time set in the slave timer being controlled. Press **Start / Stop** to advance to the next parameter.
- (For Operating Modes 0 or 1 only) The display flashes **rS** for 2 seconds, then displays the remote Start Mode. Press the **Set Time** button to change the Start Mode. (See **Table 4**). Press **Start / Stop** to complete setting the Parameters and return to timer operation..

SY-TT-REM Remote Instructions, v4.3rem

Table 4

	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 2 = Intellitan® Mode
Timer Address	1	On	On	Ad	0 (Sets Timer as a Master Controller)
* Prestart Delay Time	2	On	Off	Pd	0 to 10 (in minutes) (over rides Slave Timer Delay)
* Start Mode <i>(Only shown if timer address is set to 0)</i>	NA	Off	Off	rS	0 = Session time will start immediately after delay but bed will be off 1 = Session time will start immediately after delay and bed will turn on 2 = Session will not start until Start / Stop is pressed on remote timer **
Reset-Sequence begins					

* When the Operating Mode is set to 2 (Intellitan® Mode) the Prestart Delay set in the bed timer is used. The Start Mode for Mode 2 is always Start Mode 1 (bed turns on immediately when delay ends).

** When the Start Mode 2 is selected (Infinite delay) the Prestart Delay value is ignored. The remote timer delay lamp will flash to indicate prestart delay and the display will show the session time until the session is started at the bed timer. If the bed timer is another TanTime™ System™ timer the session will clear to 0 after one hour if the session is not started.

SY-TT-REM Remote Instructions, v4.3rem

Controlling a remote bed with the SY-TT-1 Remote Timer

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

Remote Timer Operation

NOTE: *Both the Remote Timer and the bed must be in the same Operating Mode.*

Reset-Sequence

The Reset-Sequence ends with the display showing "A" until a bed timer is found. Pressing the **Start / Stop** button while the display shows "A" will pause the "transmit" function of the Remote Timer, causing the display to flash "A". The remote timer will not communicate with the bed timer when transmit is paused. This allows the bed timer to be accessed manually to read meters, set parameters, or other necessary manual operations. Once the bed timer is ready, pressing the **Stop / Start** button resumes operation. Pressing the **Set Time** button while the display is flashing "A" will reset the Remote Timer. After the Remote Timer has found the bed timer it will continually display the status of the bed timer.

Starting a Session

The bed timer must be idle to start a session. The displays of both timers will show "0" (zero). Pressing the **Set Time** button on the Remote Timer will turn on the **Session** lamp and the display will show the maximum time allowed on the bed timer. You may press the **Set Time** button on the Remote Timer 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 bed 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 bed timer has been found, the Remote Timer continuously displays the status of the bed timer. See **Table 5** for a listing of displays and the meanings of each. Pressing and holding the **Set Time** button while the bed 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.

SY-TT-REM Remote Instructions, v4.3rem

Remote Timer Operation (Continued)

Canceling a Session

To cancel a session or event press the **Start / Stop** button on the Remote Timer. The display will flash the current status of the bed 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 Remote Timer. The display will flash the current status of the bed timer.
- Press the **Set Time** button on the Remote Timer. The display will show the Cool Down time set on the bed 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 Remote Timer

To reset the Remote Timer remove power from the timer then reapply.

Table 5

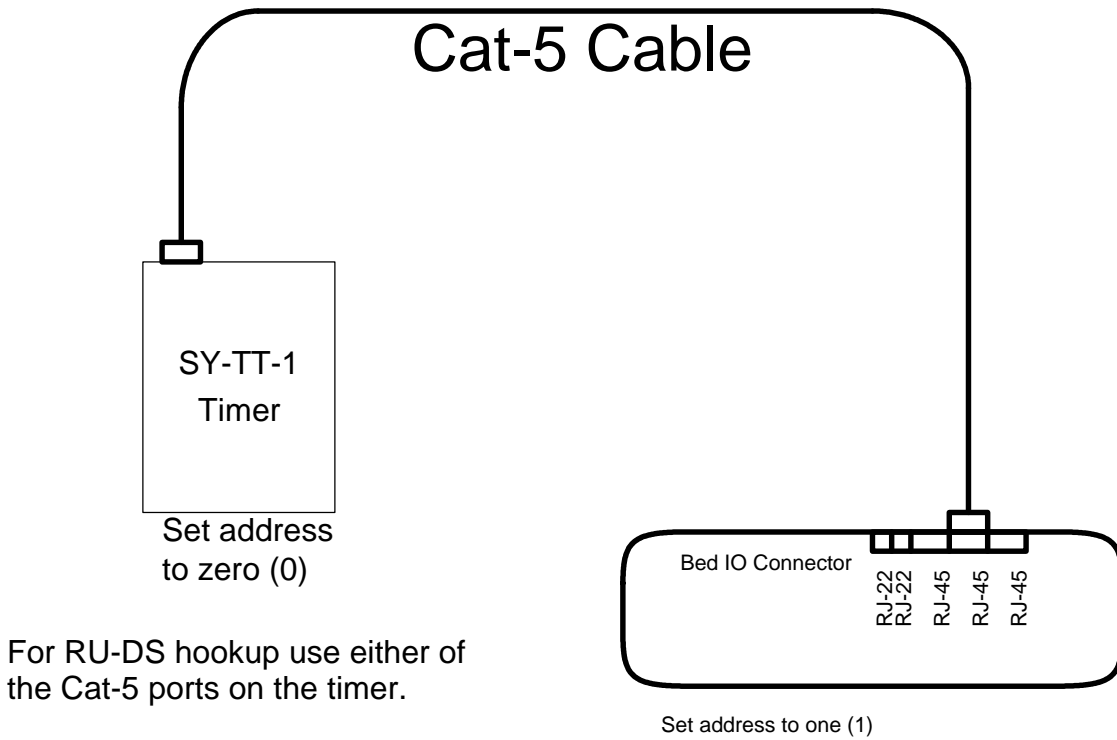
Each lamp may be Off, On solid, flash Slow (once per second), or flash Fast (twice or more per second).

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 Master Controller 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.

SY-TT-REM Remote Instructions, v4.3rem

System SY-TT-1 Connection to a remote Tanning Bed using Cat-5 cable.

Figure 6



For RU-DS hookup use either of the Cat-5 ports on the timer.

Manufacturers Statement

EPaD makes other styles and types of timers. Please contact TanTime if you have any other timer needs.

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