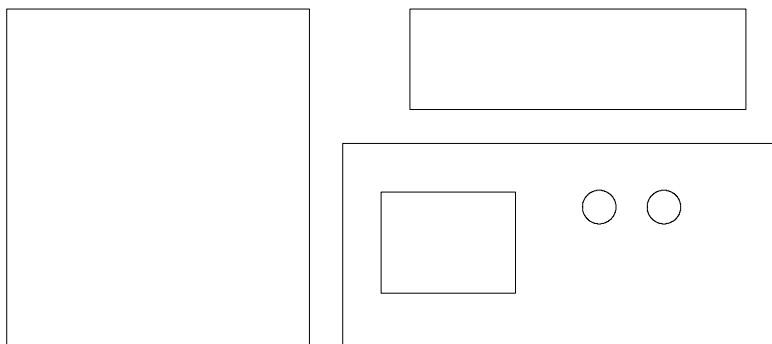
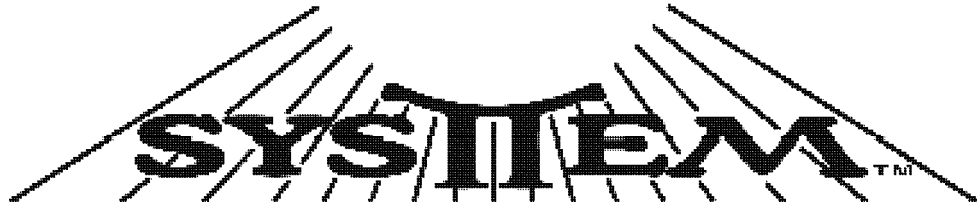


TAN TIME



TanTime™ OEM Timer

For Puretan

Hookup Instructions

**Digital Tanning Bed Timer Control Systems
for Complete Salon Control**

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Hookup

This Manual

This manual is provided to the OEM to aid in installation of the TanTime™ System™ OEM Timer in a Tanning bed. Additional information is given here to help in diagnostics and to provide specific information for the OEM timer you have purchased. Important information is covered in this manual that will ease installation and ensure trouble-free operation. Failure to follow setup & operation directions could result in damages not covered by the warranty. This manual does NOT cover operation of the timer. To obtain Operation Instructions for this timer see the section “**Operation**” Later in these instructions. The Operation Instructions are written for and intended to be used by the tanning salon operators.

Physical Connections

The Timer is Comprised of Three Circuit Card Assemblies

To aid in configuring the TanTime™ Timer to your bed, the timer is separated into three separate Circuit Card Assemblies (CCAs):

1. The Timer CCA which contains the two character numeric display, the Start/Stop and Set Time buttons, Timer circuitry including the programmed processor, and an 8-position modular jack. The Timer CCA connects via CAT-5 cable to the Power CCA.
2. The Power CCA contains the relays to drive the bed contactor and cooling fans, power circuitry to convert the 24 VAC input to 12 and 5 VDC, and circuitry for the external communications. It also includes an 8-position jack (J2X) to connect to the Timer CCA, terminals to hook up to 220 VAC, 24 VAC, the bed contactor and cooling fans, and an 8-position modular jack (J3) to connect to the Remote I/O CCA.

Note: The maximum Switching Leg current allowed is 10 Amps at 220 VAC.

3. The Remote I/O CCA contains four 8-position modular jacks. One jack connects inside the bed to the Power CCA and the other three are for external connections.

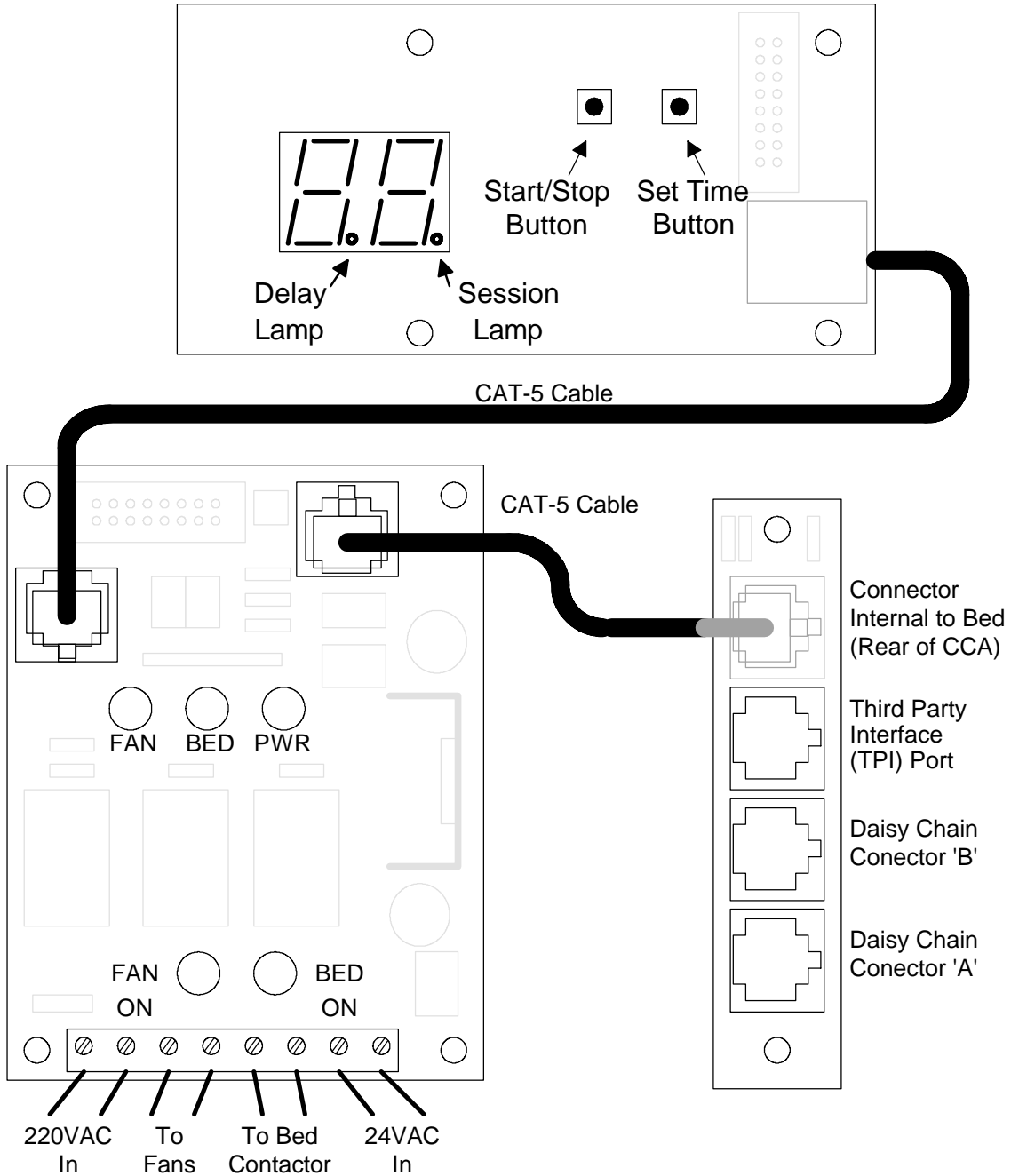
Connecting the CCAs to One Another (See Figure 1)

As discussed above, the Timer CCA connects to J2X on the Power CCA with a CAT-5 cable. A second CAT-5 cable connects between J2 on the Power CCA to the Remote I/O CCA. Some care should be taken to avoid running cables along with other power or signal cables in the bed and to avoid situations where the cables might be damaged.

AC power in and connections to the cooling fans and bed contactor are made using the terminal block (J4) on the Power CCA.

Hookup

Figure 1



Diagnostics and External Connections

Diagnostics

The Power CCA has five LED indicators to provide Timer diagnostics inside the bed. As shown in Figure 1, these LEDs are “FAN”, “BED”, “PWR”, “FAN POWER” and “BED POWER”.

The “FAN” LED will illuminate when the circuitry applies power to the input of the relay driving the bed cooling fans. The “FAN POWER” LED illuminates when the relay contacts close and there is voltage to the bed cooling fans.

The “BED” LED will illuminate when the circuitry applies power to the input of the relay driving the Bed Contactor. The “BED POWER” LED illuminates when the relay contacts close and there is voltage to the contactors.

The “PWR” LED illuminates when the internal 12 and 5 volt regulators are functioning and voltage is available to power the Timer CCA.

External Connections

The Remote I/O CCA has one modular jack inside the bed and three to connect outside of the bed. The functions of these three should be labeled on the outside of the bed with the functions shown in Figure 1. Daisy Chain ‘A’ and ‘B’ are interchangeable, but the third jack (TPI Port) differs in function from the other two. This jack should typically be used only for connecting a Third Party Interface (TPI) cable (*TanTime™ part number SY-TPI*) or for powering an End Of Line terminator when it will not illuminate while inserted in Daisy Chain ‘A’ or ‘B’.

Using a Third Party Interface (SY-TPI)

When connecting to an external timer not designed to be used with TanTime™, T-Max® or Intellitan® products, a TanTime™ Third Party Interface cable is required. (TanTime™ part number SY-TPI.) One end of the TPI cable is plugged into the ‘TPI’ jack and the other is terminated as shown in the instructions included with the SY-TPI. (The other Daisy Chain jacks must NOT have a cable in them. See **Operation with Third Party Interface (TPI)** later in these instructions.)

End of Line Terminator (SY-EOL)

The SY-EOL is used only in the last bed of a daisy chain when the bed is controlled by a front room controller. Place the SY-EOL in the unused Daisy Chain jack (‘A’ or ‘B’). If the SY-EOL does NOT illuminate when the front room controller and timers are powered on, place the SY-EOL in the TPI Port where it will illuminate.

Input Power and Connection to the Bed Contactor and Cooling Fans

An eight position terminal block located on the Power CCA provides connections for 220vac, the Bed Cooling Fans, Bed Contactor and Timer Input Power. Terminals 1 and 2 are for the 220vac input to the Cooling Fans. Terminals 3 and 4 are the switched output to the Cooling Fans. Terminals 5 and 6 are the switched output to the Bed Contactor. Terminals 7 and 8 are for the Timer Input Voltage (24vac).

Note: The maximum Switching Leg current allowed is 10 Amps at 220 VAC.

Operation

Operation

To determine which Operation Instructions to use for this timer, observe the Timer display when power is first applied to the Timer. The first two digits displayed on the Timer when power is applied is the software revision. The Operation Instructions for your software revision may be obtained from the TanTime™ Website at www.tantime.com under Support. Refer to the document for all operational features and control instructions.

Operation with Third Party Interface (TPI)

When connecting to a non-daisy-chain controller that is not compatible with this timer in Operating Mode 0, 1 or 2, a Third Party Interface cable is required (TanTime™ part number SY-TPI.) The TPI cable must be connected to the “Third Party Interface Port”, and the other Daisy Chain jacks must NOT have a cable in them. TPI Mode on the Timer must be active as instructed in the Timer Operating Instructions.

While in TPI mode the timer will display “3P” if either the **Start/Stop** or **Set Time** buttons are pressed.

The Timer will remain in TPI mode even after power and the TPI cable have been removed. See the Timer Operation Instructions to deactivate TPI Mode.

Operation with a Remote Master Controller

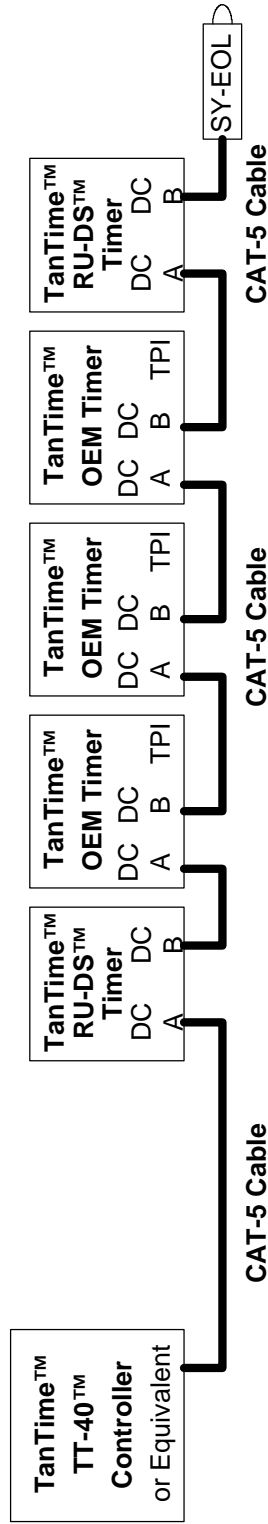
Another timer may be used as Remote Master Controller to remotely control the bed timer. The bed Timer must be set to an address of 1. The Master Controller must be set up as instructed in the manual for the remote timer.

While connected to a Remote Master Controller the bed Timer operates in slave mode.

Hookup to a Front Room Controller

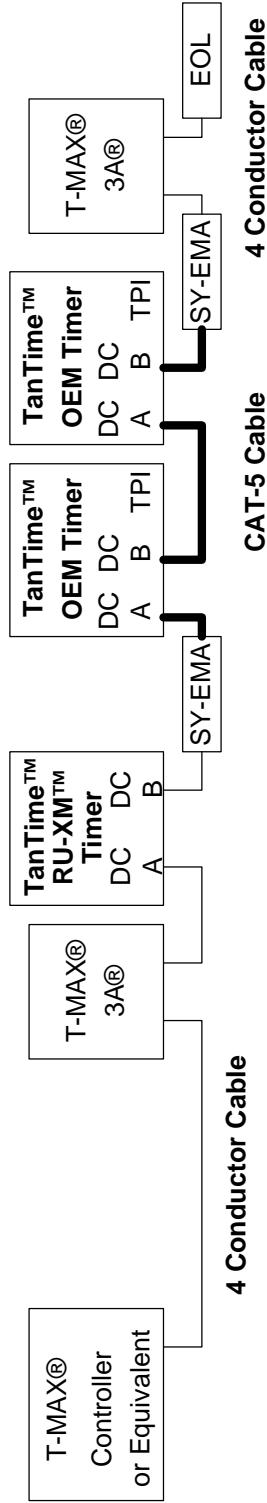
Figure 2

Hookup with TanTime™ System™ System™ Controller



* In accordance with IEEE twisted-pair (Cat-5) wire is specified for proper operation of this daisy chain network.

Hookup with T-Max® or Equivalent Controller



DC A and B are abbreviations for Daisy Chain A and B.

HU and TPI are abbreviations for Hand Unit and Third Party Interface respectively.

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Support

The Company

Since 1994, TanTime™, a Division of Electronic Programming and Design, Inc. Has been developing and manufacturing enhanced digital timer systems for the indoor tanning industry.

TanTime™ continually accesses the most innovative design technology available incorporating state of the art technology in all it's Products. As an industry leader, TanTime™ updates and adds new products to it's growing line of digital timers and strives for complete customer satisfaction by providing a quality product and unsurpassed customer support.

Support

TanTime™ Dedication

TanTime™ is dedicated to ensuring that you receive the best customer support and technical assistance possible. To ensure that you receive the most efficient help possible, please be ready to produce model numbers of the TanTime™ equipment in concern and product part numbers. For repairs and returns please be prepared to produce date of purchase, name of original purchaser, and PO Number. An RMA is required for all returns including both repairs and return-for-credit equipment returns.

Contact Us

Telephone: Call TanTime™ / EPaD™ at **206-767-7262** Pacific Time M-F 9 AM to 5 PM, PST

Email: TanTime™ Technical Support: info@tantime.com

Returns and Repairs:

NOTE:

A Return Merchandise Authorization (RMA) number must be obtained from TanTime™ prior to shipping equipment to us for repair or return.. The customer is responsible for all shipping costs.

To be issued an RMA Number Call TanTime™ at 206-767-7262, M-F, 9 AM to 5 PM, PT.

Shipping / Mailing Address:

You will receive the shipping address when obtaining your RMA number.

Sales - Ordering Additional Equipment:

Telephone: Call TanTime™ at 206-767-7262, Pacific Time, M - F, 9A - 5P.

Email: info@tantime.com

Visit Web Site: www.tantime.com