TIMETRAX SYNC™ COUNT UP/COUNTDOWN DIGITAL TIMER CONTROLLER
Models CTPLATEKIT/CBPLATEKIT Instructions
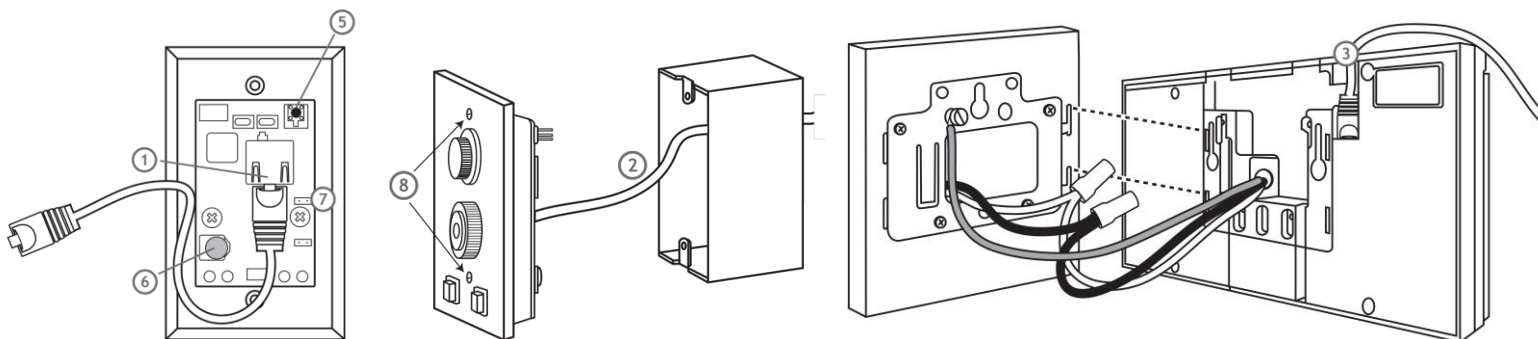
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OVERVIEW

The ***TimeTrax Sync™ Count Up/Down or Code Blue Controller*** is used in conjunction with a ***TimeTrax Sync™ Digital Timer*** (sold separately) to monitor elapsed or remaining time during critical events, educational testing/instruction, manufacturing processes, lab testing, recreational activities, seminars, transportation depot applications, broadcasting and other time-sensitive events. Features include a Start/Pause button to start or stop counting function. A built-in buzzer signals the user when timer reaches zero in countdown mode.

Use Count Up/Countdown or Code Blue Controller with any of the following ***TimeTrax Sync™ Digital Timer*** models: **9D26BRCT, S9D2R6CALS, S9D4R6CALB, S9D2B6CALB, S9D2R6CAUB, S9D4R6CAUB, S9D2B6CAUB, S9D4B6CAUB.** ***TimeTrax Sync™ Digital Timers*** may also be used in conjunction with a ***TimeTrax Sync™ RF Wireless Transmitter*** to receive accurate, official time signal.

INSTALLATION

① Connect RJ45 cable into port located in compartment on back of Controller switch plate.

② Route the RJ45 cable through standard single gang electrical box (not included). Pull cable through wall cavity and out to digital timer installation location.

③ Plug other end of RJ45 cable into port located in compartment on back of ***TimeTrax Sync™ Digital Timer*** (sold separately). The Controller switch plate is able to control more than one Digital Timer.*

④ Wire TimeTrax Sync™ Digital Timer according to installation instructions.
CAUTION: 110V CLOCK WIRING SHOULD BE COMPLETED PER ELECTRICAL CODE AND PERFORMED BY A LICENSED ELECTRICIAN.

⑤ Before mounting controller switch plate to electrical box, push the buzzer volume test button located on the back of switch plate in the top right hand corner.

⑥ To increase buzzer volume, turn blue volume control button clockwise using a flathead screwdriver. To decrease buzzer volume or deactivate buzzer, turn blue volume button counter clockwise.

⑦ To enable "pulsating" buzzer sound, remove jumper from J2 and install jumper on J1.

⑧ Mount Controller switch plate to electrical box using two screws provided.

*Use RJ45 Y-Splitter (part no 41270) to daisy chain more than one digital timer.
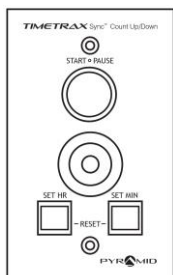
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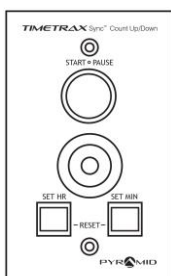
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COUNT UP MODE OPERATION

① To start COUNT UP, push red **START/PAUSE** button. Timer counts up from 00:00:00 to 99:59:59.

② To pause during COUNT UP, push red **START/PAUSE** button. Timer stops counting.

③ Push red **START/PAUSE** button again to restart COUNT UP.

④ To **RESET**, push **SET HR** and **SET MIN** buttons at same time. The counter displays 88:88:88. If used in conjunction with a TimeTrax Sync™ RF Wireless Transmitter, the timer will display current time.

COUNTDOWN MODE OPERATION

① To activate COUNTDOWN, push either **SET HR** or **SET MIN** button. Timer displays 00:00:00.

② Push **SET HR** and/or **SET MIN** to change display to desired starting time.

③ To start COUNTDOWN, push red **START/PAUSE** button. Timer counts down from desired hours/minutes and buzzer sounds at completion of time interval.

④ To pause during COUNTDOWN, push red **START/PAUSE** button. Timer stops counting.

⑤ To stop buzzer, push **SET HR** or **SET MIN** button.

⑥ Push red **START/PAUSE** button again to restart COUNTDOWN.

⑦ To **RESET**, push **SET HR** and **SET MIN** buttons at the same time. The counter displays 88:88:88. If used in conjunction with a TimeTrax Sync™ RF Wireless Transmitter, the timer will display time.

NOTE: In countdown mode, timer will count to negative 99:59:59. Timer will display "-" symbol for first 10 hours. Display flashes when counting negative.

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ACCESSORIES

PART#	DESCRIPTION
9D26BRCT	TimeTrax™ Sync Digital Timer, 2.5" x 6 digit, red, black bezel, 105-240V AC
S9D2R6CALS	TimeTrax™ Sync Digital Timer, 2.5" x 6 digit, red, silver bezel, 105-240V AC
S9D4R6CALB	TimeTrax™ Sync Digital Timer, 4" x 6 digit, red, black bezel, 105-240V AC
S9D2B6CALB	TimeTrax™ Sync Digital Timer, 2.5" x 6 digit, blue, black bezel, 105-240V AC
S9D2R6CAUB	TimeTrax™ Sync Digital Timer, 2.5" x 6 digit, red, black bezel, 6' Cord
S9D4R6CAUB	TimeTrax™ Sync Digital Timer, 4" x 6 digit, red, black bezel, 6' Cord
S9D2B6CAUB	TimeTrax™ Sync Digital Timer, 2.5" x 6 digit, blue, black bezel, 6' Cord
SID4B6CAUB	TimeTrax™ Sync Digital Timer, 4" x 6 digit, blue, black bezel, 6' Cord
9T1WI*	TimeTrax™ Sync RF Wireless Transmitter, shelf mount
S9DWXSLAUB*	TimeTrax™ Sync RF Wireless Transmitter, wall mount
42227A-1	RJ45 Cable, 20'
41269	RJ45 Cable, 50'
41314	RJ45 Cable, 100'
41270	RJ45 Y-Splitter Cable

*Required for optional clock synchronization.
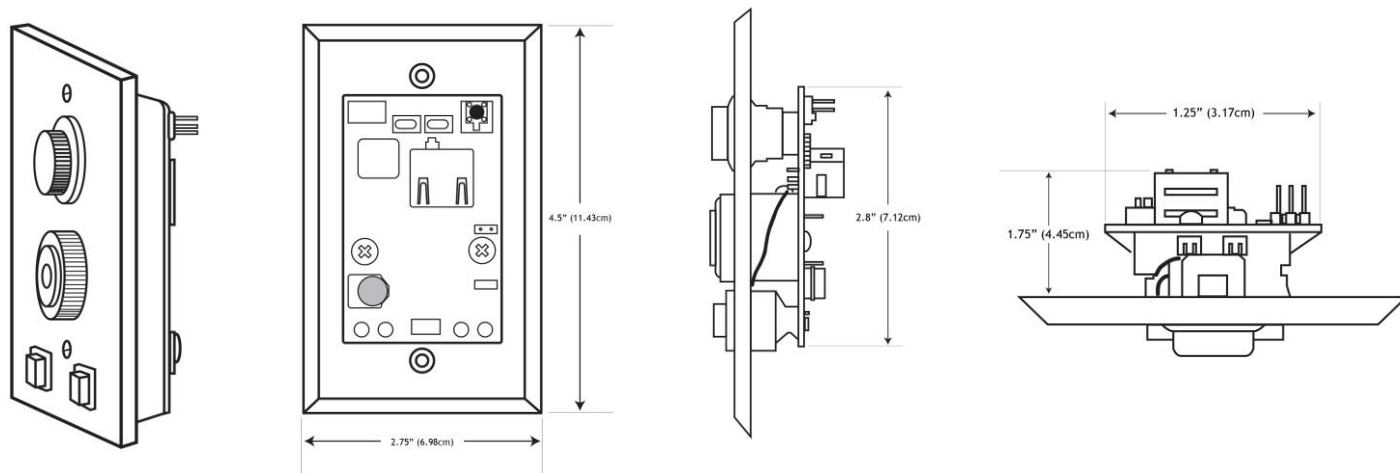
SPECIFICATIONS

COUNT UP	00:00:00 to 99:59:59
COUNT DOWN	Programmable Start Time
DISPLAY FORMAT	Hour:Minute:Second (HH:MM:SS) on 6 digit clock
MOUNTING	Standard single gang box
POWER	Digital Timer Connection Cable (BCD)
FUNCTIONS	Count Up, Start/Stop, Count Down, Reset
FEATURES	Optional Buzzer
DIMENSIONS	2.75"W x 4.5"H x 1.75"D
WEIGHT	.1875lbs
MATERIAL	Stainless Steel
INCLUDES	Switch Plate, Mounting Screws, 20' RJ45 Cable, Instructions

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WARRANTY

1-YEAR LIMITED WARRANTY

Pyramid warranties this product to the original user against defective material or workmanship for a period of 1 year from date of purchase.

The manufacturer's responsibility under this Warranty is limited to repair or replacement of defective part or parts. Pyramid reserves the right to determine whether parts failed because of defective material, workmanship, or other causes. Failure caused by accident, alteration, misuse or improper packaging of returned unit is not covered by this Warranty. Any repair to equipment other than by Pyramid voids the Warranty. Users in territories other than USA, Canada, South America & Australia should contact the Dealer from whom the unit was purchased. The rights under this Warranty are limited to original user and may not be transferred to subsequent users.

If Customer Support cannot troubleshoot your problem over the phone, we will replace your unit free of charge if it is within warranty period. Please contact Customer Support at 888.479.7264 Ext 1 between the hours of 8am-5pmEST for details.

TECHNICAL SUPPORT

Should you need to speak live to one our representatives, please call toll-free (US/Canada) at 888.479.7264 Ext 1 during regular business hours: 8am-5pmEST, M-F, or email customersupport@ptitime.com.

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DIGITAL COUNT UP/DOWN, CODE BLUE, OFFSET AND FORCED AM-PM/MIL

INSTALLATION AND OPERATING INSTRUCTIONS

These instructions apply to the following Pyramid Products:

Part Number **CBPLATEKIT** – Code Blue Plate Kit

Part Number **CTPLATEKIT** – Count Up/Count Down Plate Kit

Part Number **CTPIATEBUZZ -** Count Up/Count Down Plate Kit

Part Number **CBPIATEBUZZ -** Code Blue Plate Kit

Part Number **9D26BRCT** - 2.5" red letters, 6 Digit Clock

Part Number **9D46BRCT** - 4" red letters, 6 Digit Clock

Part Number **9D26BBCT** - 2.5" blue letters, 6 Digit Clock

Part Number **9D46BBCT** - 4" blue letters, 6 Digit Clock

Part Number **S9D2R6CALS** - 2.5" red letters, 6 Digit Clock

Part Number **S9D4R6CALB** - 4" red letters, 6 Digit Clock

Part Number **S9D2B6CALB** - 2.5" blue letters, 6 Digit Clock

Part Number **S9D2R6CAUB** - 2.5" red letters, 6 Digit Clock

Part Number **S9D4R6CAUB** - 4" red letters, 6 Digit Clock

Part Number **S9D2B6CAUB** - 2.5" blue letters, 6 Digit Clock

Part Number **S9D4B6CAUB** - 4" blue letters, 6 Digit Clock

Installation

-Mount wall plate onto a standard single gang electrical box.

-Connect wall plate unit to a Pyramid Count up-down Digital Clock using the 20' Cat5E

cable supplied with the kit.

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Operation

-Current time of day can be received and displayed if used in conjunction with a Pyramid Transmitter; otherwise, the time of day will not be displayed.

Count Up-Code Blue

-Pressing the red button begins the count up sequence (code blue). Pressing the red button repeatedly will stop and start the count up sequence beginning at last stop time.

-The digital clock can count up to "23:59:59".

-Pressing the hours and second buttons simultaneously for 1 second will either return the clock to "00:00:00" time or to the current time if a Pyramid Transmitter is operational.

Count Down

-From standard time mode, pressing repeatedly or holding the minute or hour button will set the count down timer to the desired start time. The digital clock can count down from "23:59:00".

-Pressing the red button will start the count down timer. If the red button is repeatedly pressed during the count down sequence, the count down time will stop and start accordingly.

-The digital clock will continuously flash when it gets to "00:00:00". And count negative time.

-Pressing the hours and second buttons simultaneously for 1 second will either return the clock to "00:00:00" time or to the current time if a Pyramid Transmitter is operational.

Settings *ONLY* for Off-Set (World Clocks) and Forced AM/PM OR Military Time

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Hour Off -set (World Clock)

-To Off-set the displayed hour will require setting dip switches. To gain access to these dip switches, remove the rectangular plug marked "DB15" located on the back of the clock.

- Set the (5) dip switches marked "SW#1" as noted below to the desired hour offset forward or back.

Hour Offset Digital Clock
Dip Switch #1 (SW1)

Forward hours	Switch 1	Switch 2	Switch 3	Switch 4	Switch 5
0	Off	Off	Off	Off	Off
1	On	Off	Off	Off	Off
2	Off	On	Off	Off	Off
3	On	On	Off	Off	Off
4	Off	Off	On	Off	Off
5	On	Off	On	Off	Off
6	Off	On	On	Off	Off
7	On	On	On	Off	Off
8	Off	Off	Off	On	Off
9	On	Off	Off	On	Off
10	Off	On	Off	On	Off
11	On	On	Off	On	Off
12	Off	Off	On	On	Off
13	On	Off	On	On	Off
14	Off	On	On	On	Off
15	On	On	On	On	Off

Back hours	Switch 1	Switch 2	Switch 3	Switch 4	Switch 5
0	Off	Off	Off	Off	On
1	On	Off	Off	Off	On
2	Off	On	Off	Off	On
3	On	On	Off	Off	On
4	Off	Off	On	Off	On
5	On	Off	On	Off	On
6	Off	On	On	Off	On
7	On	On	On	Off	On
8	Off	Off	Off	On	On
9	On	Off	Off	On	On
10	Off	On	Off	On	On
11	On	On	Off	On	On
12	Off	Off	On	On	On
13	On	Off	On	On	On
14	Off	On	On	On	On
15	On	On	On	On	On

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Forced AM/PM Time or Military time

- Use the dip switch group marked "SW#2" to force the individual clock into either an AM/PM or (0000-2400 hours) format, regardless of the transmitter software setting.

Forced AM/PM or Military Time

Dip Switch #2 (SW2)

	Switch 1	Switch 2	Switch 3	Switch 4	Switch 5
AM/PM	**On**	Off	Off	Off	Off
Military	**On**	**On**	Off	Off	Off
Transmitter*	Off	Off	Off	Off	Off

*Follows transmitter software settings

If you have any questions, please contact our technical services department at

888-479-7264, Ext. 802 or 267 or E-mail us at CustomerService@pti.cc.

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