



Model: DDT Desktop Daily Timer

Installation Guide and Owner's Manual

FUNCTION

The DDT Desktop Daily Timer is a high quality plug-in home automation controller that is capable of transmitting UPB (Universal Powerline Bus) digital commands over the existing power wiring to remotely turn on and off other UPB devices upon pushbutton press and at preset times each day. The DDT can be programmed to control up to 16 individual UPB receivers (sold separately). The DDT can be freely located anywhere a wall outlet exists throughout the home. No additional wiring is required and no radio frequency signals are used for communication.



FEATURES:

- Self-Programming: no laptop or UPStart required.
- 8 Global timers each based on a specific time, sunrise or sunset.
- Controls up to 16 UPB devices (dimmers/lamp/appliance modules)
- Monochrome 2-Line LCD Display
- Automatic Clock Adjustment for Daylight Saving Time
- Automatic Leap Year Adjustment.
- 10-year Battery Back-Up

INSTALLATION

The DDT Desktop Daily Timer is designed for indoor use with other UPB devices that connect to the powerline. To install the DDT simply plug it into any open 120VAC 60Hz wall electrical outlet.

CONFIGURATION

Unlike most other UPB devices the DDT is configured without the need of a PC, laptop, or UPStart.

ENTER PROGRAM MODE: Press and hold the **Next/Set** button for up to 3 seconds until you see "Set Time/Date?"

Set Time/Date?
YES NO

Select **YES** to set time. Select **NO** or **Next/Set** to skip.

Set Hour: 16
- +

Use the - and + buttons to select the current Hour. Press **Next/Set** when finished. Note that the clock runs in 24 hour military time.

Set Minute: 24
- +

Use the - and + buttons to select the current Minute. Press **Next/Set** when finished.

Set Day: TUE
- +

Use the - and + buttons to select the current Day. Press **Next/Set** when finished.

Set Month: 06
- +

Use the - and + buttons to select the current Month. Press **Next/Set** when finished.

Set Date: 17
- +

Use the - and + buttons to select the current Date. Press **Next/Set** when finished.

Set Year: 08
- +

Use the - and + buttons to select the current Year. Press **Next/Set** when finished.

Set TimeZone: Pacific
- +

Use the - and + buttons to select the Time Zone. Press **Next/Set** when finished.

Observe DST?
YES NO

Press **YES** or **NO** to indicate whether or not this Desktop Daily Timer should observe Daylight Savings Time.



The Inventors Of:



19201 Parthenia St. Suite J Page 1 of 4
Northridge, CA 91324
P 818.701.9831 F 818.701.1506
pwxsales@pcslighting.com
www.pcslighting.com



Model: DDT Desktop Daily Timer

Installation Guide and Owner's Manual

Set lon/lat?
YES NO

Press **YES** to set the Longitude/Latitude of this location (information used to calculate sunrise/sunset). Select **NO** or **Next/Set** to skip.

Set lon/lat by ZIP?
YES NO

Select **YES** to set Longitude/Latitude by Zip Code (recommended). Select **NO** to manually enter Longitude/Latitude.

YES Enter Zip: 00000
- + <- ->

Enter the Zip Code at the location of the clock. Use the - and + buttons to change each digit. Use the right and left arrows to select which digit to change. Select Next/Set when finished.

NO Longitude: 66 SET
- +

Use the - and + buttons to select the Longitude. Press SET when finished.

Latitude: 24 SET
- +

Use the - and + buttons to select the Latitude. Press SET when finished.

Setup UPB?
YES NO

Press **YES** to begin addressing UPB devices (modules, switches, etc.). Select **NO** or **Next/Set** to skip.

Scan for open net?
YES NO

Press **YES** to scan for an open UPB Network. This assures the timer will not interfere with other UPB control systems in the area by selecting a free UPB Network. Select **NO** to set network Manually.

YES Open network found!
UPB Network: 3

The Desktop Daily Timer automatically finds an unused UPB Network, assuring that it will not interfere with other UPB control systems in the area.

NO Manually set net?
YES NO

Select **YES** to Manually assign a UPB Network. Use the -, + and SET buttons which appear to select the network. Select **NO** to skip and move to the next step.

Use UPB Repeater?
YES NO

Press **YES** if your UPB network includes an SPR or TPR Repeater device. Press **NO** to skip this step.

YES Place Rptr in Setup
CANCEL

Place UPB repeater into setup mode (by pressing its button 5 times quickly). Programming happens automatically.

Number of Devices:16
- +

Use the - and + buttons to select the number of UPB devices that you want your Desktop Daily Timer to control (16 maximum). Press **Next/Set** when finished.

Program Device #01?
YES NO

Select **YES** to program Device #1. Press **NO** to skip.

Place #01 in Setup
CANCEL

Place UPB Device #1 into setup mode. See device instructions to determine how to place each Device into setup mode (typically press top of switch or recessed button on modules 5 times quickly). Programming happens automatically.

Does Device #01 dim?
YES NO

Select **YES** to set the intensity of the UPB device when the Desktop Daily Timer turns it on manually. Select **NO** for non-dimming device.

YES #01 Intensity: 49
- +

Use the - and + buttons to select the On Intensity percentage (%). Press **Next/Set** when finished.

Repeat the above steps for all UPB devices (up to a total of 16).



The Inventors Of:



19201 Parthenia St. Suite J Page 2 of 4
Northridge, CA 91324
P 818.701.9831 F 818.701.1506
pwxsales@pcslighting.com
www.pcslighting.com



Model: DDT Desktop Daily Timer

Installation Guide and Owner's Manual

Setup Timers?
YES

Select **YES** to set up the 8 internal clock timers. Select **Next/Set** to skip.

Set Timer #1?
YES NO

Select **YES** to setup Timer #1. Select **NO** to skip Timer #1 and move on to the next Timer.

Run Timer1 Everyday?
YES NO

Select **YES** to run this Timer every day. Select **NO** to bring up the next screen to allow days to be added/deleted. Press **Next/Skip** to skip.

NO

Days: SUN SMTWTFS
- + ADD DEL

Use the + and - buttons to select a day. Then use the **ADD** and **DEL** buttons to either add it or delete that day. Repeat for each day to add/delete. Press **Next/Set** when finished.

Timer #1 runs at:
TIME DAWN DUSK NEVER

Select **TIME** to activate Timer at the same time each day. Select **DAWN** to activate timer based on the Sunrise. Select **DUSK** to activate this timer based on the Sunset. Select **NEVER** for no activation.

TIME

Hour: 00
- +

Use the - and + buttons to select the Timer activation Hour (based on 24 hour military time). Press **Next/Set** when finished.

Minute: 00
- +

Use the - and + buttons to select the Timer activation Minute. Press **Next/Set** when finished.

Timer 1, Dev 01: 100%
- + NoCh

Use the - and + buttons to select the intensity percentage (%) you want the DDT to set the device to when the timer activates. Press **Next/Set** when finished.

Repeat the above step for all UPB devices (up to a total of 16).

DAWN

#1 Dawn Offset: + 0
- +

Use the - and + buttons to select the Timer activation Dawn Offset (number of minutes before or after sunrise). The Offset can be up to - or + 128 minutes. Press **Next/Set** when finished.

DUSK

#1 Dusk Offset: + 0
- +

Use the - and + buttons to select the Timer activation Dusk Offset (number of minutes before or after sunset). The Offset can be up to - or + 128 minutes. Press **Next/Set** when finished.

Timer 1, Dev 01: 100%
- + NoCh

Use the - and + buttons to select the intensity percentage (%) you want the DDT to set the device to when the timer activates. Press **Next/Set** when finished.

Repeat the above step for all UPB devices (up to a total of 16).

Repeat the above steps for all 8 timers.

View Settings?
YES

Select **YES** to view all settings made during previous steps. Use **Next/Set** to scroll through settings.

...This completes the setup process. Easy, huh?

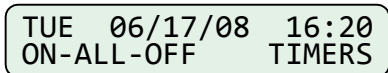


Model: DDT Desktop Daily Timer

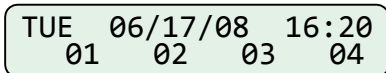
Installation Guide and Owner's Manual

OPERATION

Once installed and configured your DDT will operate on the stored timer settings without further user intervention. The DDT will automatically adjust for Daylight Saving Time (DST) and changes in sunrise/sunset times.



Home Screen



Device Screen

Manual Control

The DDT Desktop Daily Timer also acts as a manual switching device for the UPB devices that are on the system. From the Home Screen simply press the ALL-ON or ALL-OFF buttons to turn on/off all of the UPB devices. To gain control of individual devices press and release the Next/Set button. Pressing the buttons labeled 1 thru 4 to toggle the first four lighting loads on and off.

To gain control of devices 5 thru 8 press and release the Next/Set button again. Continue to press and release the Next/Set button to gain control of the next set of four UPB devices (if present). After the last set of devices is displayed, pressing and releasing the Next/Set button will display the Home Screen again.

Enable/Disable Timers

From the Home Screen, pressing the button labeled TIMERS will disable all 8 timers. The words TIMERS ARE OFF will be displayed while the timers are disabled. To enable the timers again, simply press and release the TIMERS button once again.

Testing UPB Communication

The DDT Desktop Daily Timer can be used to test the signal and noise levels between it and the other UPB devices. This is a good diagnostic to insure that the powerline communication will be solid throughout the installation. To enter Diagnostic Mode unplug the unit then press and hold the Next/Set button. While holding the Next/Set button plug the unit back in. Continue holding the button for approximately three seconds until the Diagnostic Mode screen appears.

VIEW LEVELS FOR #01?
YES NO

Press **YES** to test the powerline communication between the DDT and Device #01. Select **NO** to skip.

#01 AT DEVICE
SIG:32 NOISE:NONE

Read and record the signal and noise levels for the communication from the DDT to the device. Press **Next/Set** to continue.

#01 AT TIMECLOCK
SIG:24 NOISE:01

Read and record the signal and noise levels for the communication from the device to the DDT. Press **Next/Set** to continue.

Repeat the above steps for all UPB devices (up to a total of 16).

TYPICAL USES

The DDT is perfect for controlling other PulseWorx devices on a timed schedule. Typical applications are:

- Vacation – lived-in look
- Landscape lighting
- Sprinklers/Irrigation systems
- Christmas lights

LIMITED WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in materials and workmanship for a period of five years from the date of purchase. Refer to the warranty information on the PulseWorx website (www.PulseWorx.com) for exact details.



The Inventors Of:



19201 Parthenia St. Suite J Page 4 of 4
Northridge, CA 91324
P 818.701.9831 F 818.701.1506
pwxsales@pcslighting.com
www.pcslighting.com