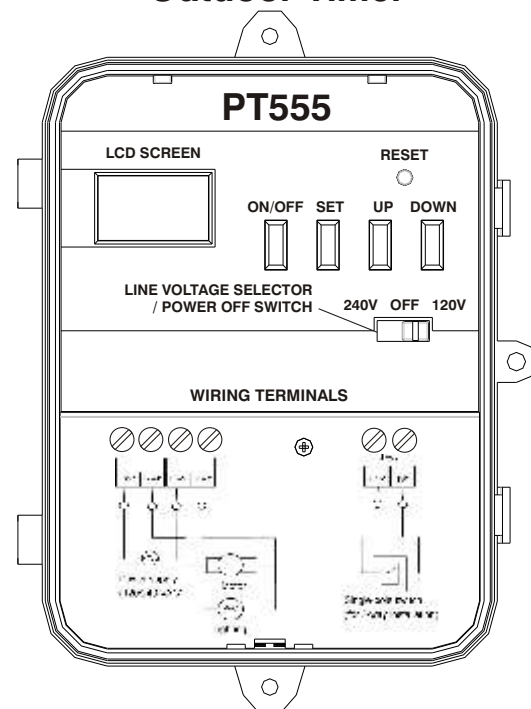


OWNER'S MANUAL

Please take the time to read and understand this manual to enjoy the energy saving benefits of this product. Ideal for pond fountains, garden lighting or swimming pool controls; such as filter pumps or pool lighting.

FEATURES

- Easy to use
- 14 ON/OFF programs
- Manual override
- 12/24 hour clock
- Built-in rechargeable battery backup
- Heavy duty weather resistant casing
- Unit may be secured with a padlock
- 120V or 240V operation



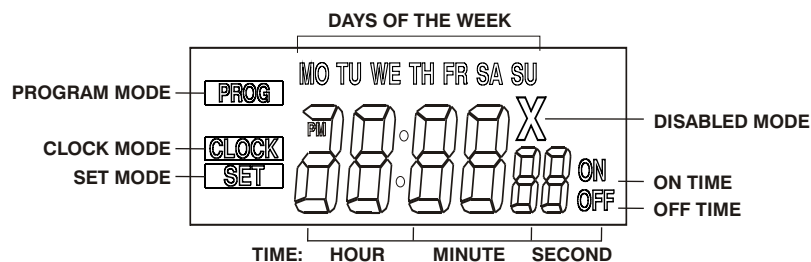
1

BUTTONS / LCD DISPLAY

Buttons / features:

- **RESET:** deletes all program settings; returns to default
- **ON/OFF:** manual on/off control
- **SET:** confirms settings
- **UP:** selects the next day or number in program mode.
- **DOWN:** selects the previous day or number in program mode.
- **240V OFF 120V:** selects the line voltage or turns the power off
- **LCD:** displays the time, days of the week and program settings

LCD display



2

INTRODUCTION

This heavy duty outdoor timer is ideal for programming pond fountains, garden lighting or swimming pool controls; such as filter pumps or pool lighting. Simply program the timer to be on when you are typically using these devices, and off when they are not needed.

ENERGY SAVINGS

Exterior devices, such as a pool pump, use more energy than most of your indoor home appliances. So it makes economic sense to program your energy use. Automatic cycles result in electricity costs being greatly reduced!

CONVENIENCE

Programmable timers make life more convenient, by removing the need for you to remember to turn the power on or off.

IMPORTANT SAFETY NOTICE

This timer is rated for **HIGH VOLTAGE** wiring only (120V / 240V). **IT IS STRONGLY RECOMMENDED TO HAVE A CERTIFIED ELECTRICIAN ON SITE TO ENSURE THE SAFE INSTALLATION OF YOUR TIMER.**

Before wiring the timer, be sure to double check that the attached devices will not exceed the maximum load. After wiring the devices, test that they are connected to the wiring terminals correctly by pressing the manual ON/OFF button on the timer. If the power does not come on, then your timer should be inspected by an electrician for improper wiring. The manufacturer assumes no responsibility for improper wiring, or any resulting damages. Improper installation by a non-professional automatically voids the warranty.

3

INSTALLATION

MAXIMUM LOAD

25A (resistive) / 10A (inductive)
Maximum ratings: 1.5HP / 3000 W @ 120 V
2.0HP / 6000 W @ 240 V

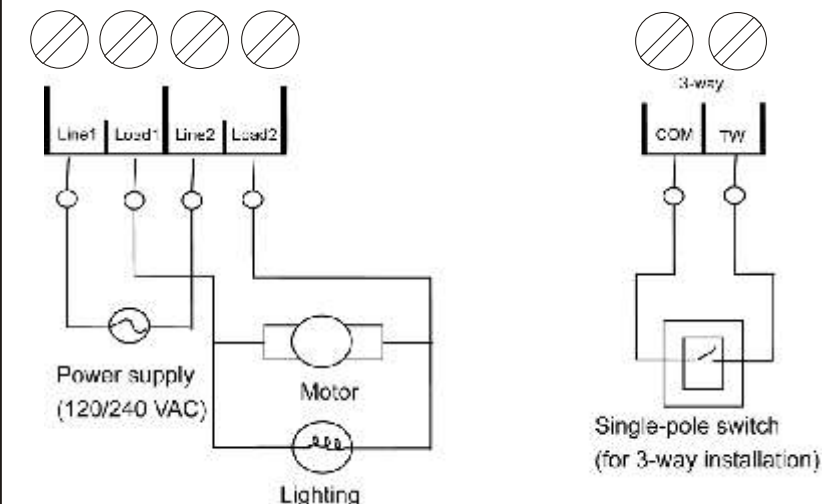
Multiple electronic devices may be controlled at the same time. However the total combined load from all devices must not exceed the maximum load rating.

WIRING

1. Turn the power off at the circuit breaker, to avoid electric shock.
2. Use a screwdriver to remove the plastic faceplate, and to loosen the terminals.
3. Determine the number and size of all the wires and then punch-in the appropriate pre-cut hole at the bottom of the timer.
4. Install suitable clamps to hold the wires in place, then feed the wires into the timer's wiring compartment
5. The connections are shown on the page 5 wiring diagram. (For a 3-way installation, connect a standard single-pole switch to the 3-way terminals of the timer.)
6. Attach the wires; tighten the terminals.
7. Cover any bare wires with a wire nut and electrical tape.
8. Replace the plastic faceplate.
9. Select the proper operating voltage (120V or 240V)
10. Reconnect the power supply at the circuit breaker.
11. Press RESET to ensure all settings are at default.
12. Press the manual ON/OFF button to test if the wiring is correct.

4

WIRING TERMINALS



5

MANUAL ON/OFF

Devices attached to the timer (the load) may be turned on and off manually by pressing the ON/OFF button in clock mode.

SETTING THE CLOCK

- 1) Ensure the **CLOCK icon** is displayed on the LCD
- 2) Press **SET** (The **SET icon** will appear on the LCD and a weekday will be flashing.)
- 3) Press the **UP** or **DOWN** arrows to select the correct weekday. (Note: The display will scroll from Monday (MO) to Sunday (SU).)
- 4) Press **SET** to confirm the weekday setting, and move onto the hour setting.
- 5) Press the **UP** or **DOWN** arrows to select the correct **hour**.
- 6) Press **SET**
- 7) Press the **UP** or **DOWN** arrows to select the correct **minute**.
- 8) Press **SET**

After the correct time has been selected, the SET icon will disappear, and the timer will return to normal clock display (with only the CLOCK icon displayed).

(Note: To toggle between 12/24 hour format, press **ON/OFF** and **SET** at the same time any time during clock setting. The afternoon times will be displayed with a PM in the 12 hour format or as numbers greater than 12 in the 24 hour format (E.g. 1:00 PM or 13:00).

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DAYLIGHT SAVINGS TIME (DST) *

To activate daylight saving mode, hold the **UP** and **DOWN** buttons at the same time for 3 seconds in normal clock mode. The time will advance by one hour and this * symbol will display up to indicate that daylight saving time is activated. To deactivate DST press **UP** and **DOWN** buttons at the same time again for 3 seconds (the sun symbol will disappear and the hour will go back one hour).

PROGRAMMING

The timer automatically controls electronic devices by turning on and off the electric current at programmed times.

This timer is equipped with 14 on/off programs (time periods) which are set by the user. In regular clock mode, you may cycle through programs 1-14 by using the UP and DOWN buttons. Each program is separated into two parts; ON TIME and an OFF TIME. To return to the clock mode, without scrolling through all the programs, quickly press the UP and DOWN buttons simultaneously.

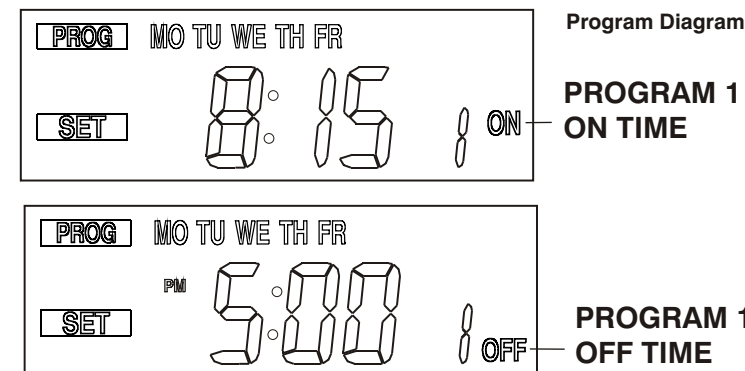
Programming this timer is very easy. For example, to set or change Program 1 Scroll UP or DOWN until (Program 1- ON TIME) displays / Press SET Press UP repeatedly to select the WEEKDAY(S) / Press SET Press UP or DOWN to select the ON TIME (Hour/SET Minute/SET) Press UP or DOWN to select the OFF TIME (Hour/SET Minute/SET)

Programs may be applied to a single day of the week, all the days of the week, Monday to Friday, Monday to Saturday, or just Saturday and Sunday. These programs work as a pair, so a specific program ON and OFF time will both apply to the same day(s) of the week. This program will repeat every week, unless the program is changed, disabled by the user, or if an extended power outage occurs (longer than 1 week).

The timer will use all the programs entered unless they are disabled. The only way to erase program is by resetting the entire timer.

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PROGRAMMING: ON TIME



To learn how to set any program, use the Program Diagram as a reference:
Program 1 / Monday - Friday / ON TIME - 8:15am / OFF TIME - 5:00pm

- 1) In regular **CLOCK MODE** press the **UP** button to scroll to **PROGRAM 1** (**PROG icon** and **1 ON** will display)
- 2) Press **SET** to begin programming the **ON TIME** (Weekday(s) will flash)
- 3) Press **UP** repeatedly until the correct **WEEKDAY(S)** are displayed, Press **SET**
- 4) Press **UP** or **DOWN** to select the **HOUR**, Press **SET**
- 5) Press **UP** or **DOWN** to select the **MINUTE**, Press **SET** (In the Program Diagram, the ON TIME is set to 8:15 am)

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PROGRAMMING: OFF TIME

Once the ON TIME programming is completed, you may advance to the OFF TIME. Ensure that you have confirmed all ON TIME settings (by pressing SET); check that no icons are flashing on the LCD screen:

- 1) Press **UP** to advance to the **OFF TIME** for **PROGRAM 1** (**PROG icon** and **1 OFF** will display - see Program Diagram)
- 2) Press **SET** to begin programming the **OFF TIME** (Weekday(s) will flash) (Note: The weekdays will default to whatever days were selected for the ON TIME. On any program, if you change the weekday setting of the OFF TIME, the ON TIME will also be changed as they operate as a pair)
- 3) Press **SET** to confirm **WEEKDAY(S)**
- 4) Press **UP** or **DOWN** to select the **HOUR**, Press **SET**
- 5) Press **UP** or **DOWN** to select the **MINUTE**, Press **SET** (In the Program Diagram, the OFF TIME is set to 5:00 pm)

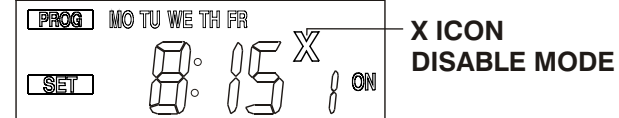
Press the UP key to advance to PROGRAM 2, PROGRAM 3 etc. to a maximum of 14 programs. Repeat the steps outlined about to set all desired programs.

To end the program mode, press DOWN to return to the normal CLOCK display. To return to the clock mode, without scrolling through all the programs, quickly press the UP and DOWN buttons simultaneously.

The various programs of the timer are arranged in a circular pattern, so you may continue to press UP or DOWN to scroll through all programs. If no key is pressed for 1 minute, the display will automatically return to the regular clock mode.

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X - DISABLE MODE



PROGRAM DISABLE FUNCTION:

To disable a particular program:

- 1) Press **UP** or **DOWN** to scroll to the program you wish to disable
- 2) Press **SET** (the **SET icon** will display)
- 3) Press **ON/OFF** (the **X icon** will display) (The program is now disabled)
- 4) Press the **ON/OFF** again (the **X icon** will disappear)

MASTER DISABLE FUNCTION:

To disable all programs:

- 1) Press **SET** while in **CLOCK MODE** (the **CLOCK icon** and **SET icon** display)
- 2) Press **ON/OFF** (the **X icon** will display) (All programs are now disabled)
- 3) Press the **ON/OFF** again (the **X icon** will disappear)

Timer users may accidentally select the DISABLE function while they are trying to program the timer. Be sure not to press ON/OFF while in PROG mode, unless you wish to deactivate your settings. If you see an X on the display, while in a program or in regular clock mode, it means that you have DISABLED the program(s). Simply press SET, then ON/OFF again to return to normal function. (The X will disappear)

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TROUBLESHOOTING

problem	solution
LCD display seems "frozen". Buttons won't respond.	Press reset button to reset timer.
Programmed ON/OFF times don't execute.	Ensure that the X is not displayed as this means that the program feature is disabled. (See page 10)
The power goes out.	This programmable digital timer comes with built in memory backup protection. In the event of a power outage lasting less than 24 hours, all program and clock settings will remain in memory. If the power outage is for longer than 1 week you may have to re-enter your programs.

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TECHNICAL SPECIFICATIONS

Ratings: 120 or 240 volt selection
25A (resistive) / 10A (inductive)
Maximum ratings: 1.5HP / 3000 W @ 120 V
2.0HP / 6000 W @ 240 V

1 YEAR WARRANTY

This product carries a one (1) year repair warranty against defects in workmanship and materials. This product is not guaranteed against wear or breakage due to misuse and/or abuse.

If the product is defective, return it with a dated proof of purchase, to the retailer from which you purchased it.

Note: shipping and handling for returns is not included under this warranty.

Customer Service Centre
1-888-468-6876
www.upm-marketing.com

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