

Outdoor Programmable Timer with Photocell Sensor ET525C

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— BUTTONS / LCD DISPLAY

Button / features:

- **PHOTOCELL:** senses light levels, in daylight control mode
- **ON/OFF:** manual on/off control
- **SET:** confirms settings
- **RND:** activates random functions
- **CD:** activates countdown timer
- **UP/DOWN:** scrolls through program selections
- **RESET:** resets all settings to the default

LCD display

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— INTRODUCTION

This heavy duty outdoor timer is ideal for use with security lighting, seasonal lighting, patio and pond lighting, and for the block heater on your car.

CONVENIENCE / ENERGY SAVINGS / HOME SECURITY
Programmable timers make life more convenient, by regulating power for lighting or electronics into an automatic on/off cycle. The timer remembers when to turn the lights and electronics on or off, so electricity costs are greatly reduced! Conserving energy helps preserve natural resources, which is good for the environment. When you're away from home, an electronic timer can turn on your lights for a while every evening (making it look like someone is home) to discourage crime.

DAYLIGHT MODE
This timer is equipped with a photocell eye that senses ambient brightness levels. In this light level mode, the timer will turn on or off the power according to environmental light levels.

COUNTDOWN MODE
Once the countdown mode is activated, the power will be turned on or off for a pre-set period of time.

RANDOM MODE
Timer is equipped with 3 random modes which include: short random, long random and program random.

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— 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.)
(Note: you may Press **RND** to toggle between **12/24 hour** format)
- 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**
- 9) Press **SET** again to keep the **seconds** setting the same as they are OR
Press the **UP** or **DOWN** arrows to default the seconds setting to 00)
- 10) 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 RND at any time during clock setting. You will be able to see the difference if you scroll up to 1:00pm (or after) because the number will change 13:00 hours, the numbers before 12 noon will look the same in either 12 or 24 hour mode.)

To activate/de-activate the Daylight Saving Time (DST) function, press and hold SET for 3 seconds. The DST symbol will appear (or disappear) and the time will be changed by one hour.

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— MANUAL ON/OFF

Electronics may be turned on and off manually by pressing ON/OFF in clock mode.

— PROGRAMMING

Programming this timer to control lighting (or other electronic devices) is very easy. First plug the timer in an electrical outlet; then plug the electronic device into the timer. This timer is equipped with 20 on/off programs (time periods) which are set by the user. Each program has an ON TIME and an OFF TIME. The timer controls the electronic device by turning on and off the electricity current flow.

At this time, test that the electronic device is switched ON, then press ON/OFF key on the timer to manually turn the electronic device on and off. For instance, if you are using the timer to control a lamp, ensure the lamp switch is in the ON position, so timer may operate the devices power flow.

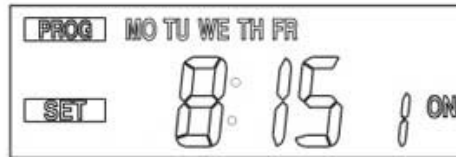
Select the PROGRAM settings with the UP or DOWN arrows
Use SET to confirm the settings

The activated selection with be flashing on the LCD screen

First select the PROGRAM (1-20),
then select the WEEKDAY(S) to apply the program to,
then select the ON TIME,
then select the OFF TIME.

Programs may be applied to various of days of the week. For example a program may be applied only to one day of the week, or the program may be applied to 5 days (Monday to Friday), or 7 days (Monday to Sunday) or just the weekend (Saturday and Sunday).

— PROGRAMMING: ON TIME



Program Diagram

PROGRAM 1 ON TIME



PROGRAM 1 OFF 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 **HOURL**, 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)

— PROGRAMMING: OFF TIME

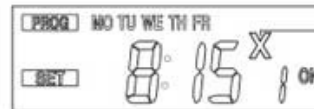
Once the ON TIME programming is completed, you may advance to the OFF TIME. Ensure that your have confirmed all ON TIME settings (by pressing SET) and check that no icons are flashing on the LCD screen:

- 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. They operate as a pair)
- 3) Press **SET** to confirm **WEEKDAY(S)**
- 5) Press **UP** or **DOWN** to select the **HOURL**, Press **SET**
- 6) 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 20 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. 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.

— X - DISABLE MODE



X ICON 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)
To cancel PROGRAM DISABLE:
4) Press the **ON/OFF** again (the **X icon** will disappear)

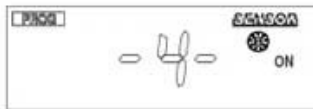
MASTER DISABLE FUNCTION:

To disable all programs:

- 2) Press **SET** while in **CLOCK MODE** (the **CLOCK icon** and **SET icon** display)
- 3) Press **ON/OFF** (the **X icon** will display)(All programs are now disabled)
To cancel MASTER DISABLE:
4) 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 your program(s). Simply press SET, then ON/OFF again to return to normal function. (The X will disappear)

DAYLIGHT CONTROL



Example:
BRIGHT ON mode

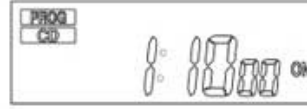
In this mode, the Timer will be turned on and off solely by the brightness level of the surroundings. To enter the Daylight Control Program setting mode:

- 1) Press **DOWN** until the **SENSOR** icon appears.
- 2) Press **SET** (The **SENSOR** icon will flash)
- 3) Press **UP** or **DOWN** to scroll through the 5 modes; then press **SET**:
 - REGULAR mode (PHOTO-SENSOR Deactivated):** (**SENSOR** icon is displayed) (In this mode, the light sensor will NOT interfere with any other programming.)
 - BRIGHT ON mode** (☀️ and ON): timer will be ON when the ambient light is bright
 - BRIGHT OFF mode** (☁️ and OFF): timer will be OFF when the ambient light is bright
 - DARK ON mode** (🌑 and ON): timer will be ON when the ambient light is dark
 - DARK OFF mode** (🌑 and OFF): timer will be OFF when the ambient light is dark
- 5) Press **UP** or **DOWN** to select the desired **BRIGHTNESS LEVEL (0-9)**. (Brightness values range from 0 to 9 (0 = the darkest; 9 = the brightest) (Either the ☀️ or 🌑 icon will also display to reflect the brightness level selected)
- 4) Press **SET** to confirm.

The Timer will now be in DAYLIGHT CONTROL MODE and will turn on and off automatically in response to ambient light levels.

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COUNTDOWN TIMER



COUNTDOWN TIMER
ON

The countdown timer can be used to turn the power ON or OFF for a selected period of time. (ranging from 1 second to 23 hours, 59 minutes, 59 seconds)

- 1) Press **DOWN** to display the icons **PROG** and **CD**.
Select to total time of the countdown:
- 2) Press **UP** or **DOWN** to select the **HOURL**, Press **SET**
- 3) Press **UP** or **DOWN** to select the **MINUTE**, Press **SET**
- 4) Press **UP** or **DOWN** to select the **SECOND**, Press **SET**
- 5) Press **SET** to activate the **ON** countdown (the ON icon will flash)
- 6) Press **SET** to activate the **OFF** countdown (the OFF icon will flash)
- 7) Press **CD** to start the countdown (the seconds will begin counting down)

At the end of the countdown, the timer will turn the lights (or electronics) ON or OFF as indicated. To stop the countdown, press the CD key again; the display will return to its pre-set countdown value and begin counting down again. When the Countdown function is activated (by pressing CD) in the CLOCK MODE or PROGRAM MODE, the CD icon will flash.

(Note: All pre-set programs are disabled during the countdown period. The countdown function will not start when Random function is activated. Activating the Manual ON/OFF switch will cancel the countdown operation.)

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DAYLIGHT CONTROL COUNTDOWN



DAYLIGHT
COUNTDOWN TIMER
ON

The countdown timer may also be activated by the photo sensor, this means that the countdown will only start when the environmental brightness reaches the pre-set level. The timer will turn the power ON or OFF for a selected period of time. (ranging from 1 second to 23 hours, 59 minutes, 59 seconds)

- 1) Press **DOWN** to display the icons **PROG** and **CD**.
Select to total time of the countdown:
- 2) Press **UP** or **DOWN** to select the **HOURL**, Press **SET**
- 3) Press **UP** or **DOWN** to select the **MINUTE**, Press **SET**
- 4) Press **UP** or **DOWN** to select the **SECOND**, Press **SET**
- 5) Press **SET** to activate the **ON** countdown (the ON icon will flash)
- 6) Press **SET** to activate the **OFF** countdown (the OFF icon will flash)
- 7) To program this function, press **SET** in the photo correct photo sensor mode.
☀️ BRIGHT or 🌑 DARK photo sensor mode and **SET** will display.

NOTE: See the DAYLIGHT CONTROL section for a full description of the photo sensor **BRIGHT and DARK modes**; the various ambient light levels (0-9) which activate the timer, may also be adjusted.

NOTE: After the ambient brightness level has changed, a delay period of 8 seconds will occur before the timer will be activated.

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RANDOM FUNCTION

This timer has a built-in random function which automatically turns the timer on and off at random intervals. This feature is useful to activate lighting when you are away, to enhance home security.

There are 3 Random functions:

- (1) Short Random Timer (1~2 hours)
- (2) Long Random Timer (2~4 hours)
- (3) Program Random Timer

SHORT: To activate short random function, press the RND key when the Clock or Program 1-19 is displayed. RND will flash. To cancel Random function, press RND key again. (The short random cycle spans from 1~2 hours.)

LONG: To activate Long Random function, press the RND key when the Countdown Timer is displayed. L-RND will be flashing. (The long random cycle spans from 2~4 hours.)

PROGRAMMED: The Random function can be programmed so that it will activate only during certain period of time (e.g. only at night). To use program random, set Program 20 to the period of time in which Random function to be activated. Then press RND. (RND will display on program 20)

NOTE: Once the Program Random is set, the RND symbol will stay on during the inactive period and flash during the active period. While the random function is activated, all pre-set programs including countdown will be disabled. Activating the Manual On/Off function will also cancel the Random function.

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<p>— DAYLIGHT SAVINGS TIME (DST) ☼</p> <p>To activate daylight saving mode, hold the SET key for 4 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 SET again for 4 seconds. (the sun symbol will disappear and the hour will go back one hour)</p>	<p>— TECHNICAL SPECIFICATIONS</p> <p>Program: 20 programs Ratings: 120 V AC, 15 A Max Load: 1800 W resistive; 600 W tungsten Min switching time: 1 minute</p> <p>* This programmable digital timer comes with built in memory backup protection. In the event of a power outage, all program and clock settings will remain in memory.</p>								
<p>— TROUBLESHOOTING</p> <table border="0"> <thead> <tr> <th style="text-align: left;">problem</th> <th style="text-align: left;">solution</th> </tr> </thead> <tbody> <tr> <td>LCD display seems "frozen". Buttons won't respond.</td> <td>Press reset button to reset timer.</td> </tr> <tr> <td>Programmed ON/OFF times don't execute.</td> <td>Ensure that the X is not display as this means that the program disable feature is not enabled.</td> </tr> <tr> <td>Programmed ON/OFF times don't begin at the specified times.</td> <td>Ensure that the random function is not enabled.(if random is activated RND will be displayed on the LCD)</td> </tr> </tbody> </table> <p style="text-align: right;">13</p>	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 display as this means that the program disable feature is not enabled.	Programmed ON/OFF times don't begin at the specified times.	Ensure that the random function is not enabled.(if random is activated RND will be displayed on the LCD)	<p>— 1 YEAR WARRANTY</p> <p>This product carries a one (1) year replacement warranty against defects in workmanship and materials. This product is not guaranteed against wear or breakage due to misuse and/or abuse.</p> <p>If the product is defective, return it with a dated proof of purchase, to the retailer from which you purchased it.</p> <p>Note: shipping and handling for returns is not included under this warranty.</p> <p>Customer Service Centre 1-888-468-6876</p> <p style="text-align: right;">14</p>
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