

UPM

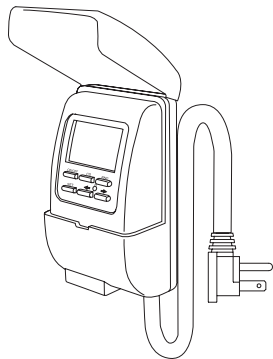
OWNERS MANUAL

Congratulations on your purchase of a UPM outdoor timer. Please take the time to read and understand this manual so you can begin to enjoy the security and energy saving benefits this product has to offer.

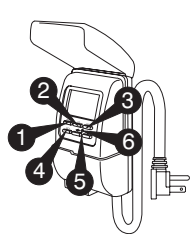
FEATURES

- 20 ON/OFF settings
- Countdown timer
- 3 random functions
- 12/24 hour clock
- 15A, 1800W (resistive)
- drip-proof cover design

ET420 electronic outdoor timer

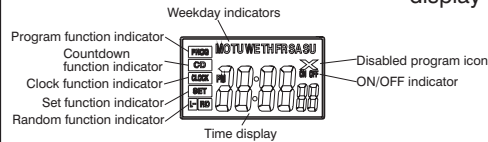


GETTING STARTED button placements



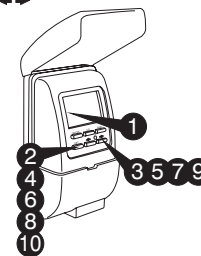
- 1 ON/OFF - manual on/off control
- 2 CD - activates countdown timer
- 3 RND - activates random functions
- 4 SET - activates set functions
- 5 ← - scrolls through selections
- 6 → - scrolls through selections

display



GETTING STARTED setting the clock

- 1 Go to **CLOCK** using ←→
- 2 Press SET
- 3 Day select with ←→
- 4 Press SET
- 5 Hour select with ←→
- 6 Press SET
- 7 Minute select with ←→
- 8 Press SET
- 9 Second select with ←→
- 10 Press SET



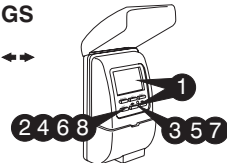
- To toggle between 12/24 hour format, press RND during clock setting
- To activate/deactivate Daylight Saving Time (DST) function, press and hold both ← and → together for 3 seconds in **CLOCK** mode; solid for DST

memory backup

* This UPM programmable timer comes with built in memory backup protection. In the event of a power outage, all program and clock settings will remain in memory.

PROGRAM SETTINGS

- 1 Program select with ←→
- 2 Press SET
- 3 Day select with ←→
- 4 Press SET
- 5 Hour select with ←→
- 6 Press SET
- 7 Minute select with ←→
- 8 Press SET

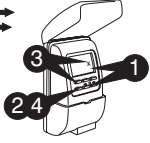


Programs are arranged in a circular pattern with the clock and countdown functions:

CLOCK → Program 1-20 → **CD**

disable program/master disable

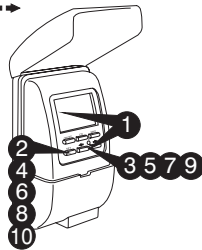
- 1 For **single disable** select PROGRAM with ←→
 - 2 Press SET
 - 3 Press ON/OFF to disable (X)
 - 4 Press SET 3 times to exit (single disable) OR Press SET 4 times to exit (master)
- Repeat steps 1 to 4 to undo disable (X)



COUNTDOWN TIMER

The to-the-second countdown feature of this timer starts from the ON or OFF position and counts down to zero when activated.

- 1 Select CD mode using ←→
- 2 Press SET
- 3 Start ON or OFF select with ←→
- 4 Press SET
- 5 Hour select with ←→
- 6 Press SET
- 7 Minute select with ←→
- 8 Press SET
- 9 Second select with ←→
- 10 Press SET

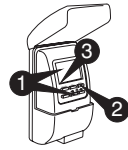


- Press CD to start the countdown function
- Stop countdown timer function with CD or ON/OFF

RANDOM FUNCTION short/long random

- 1 Short random from OR Long random from
- 2 Press RND
- 3 Flashing for short random
Flashing for long random

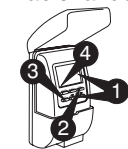
* Short random 1-2 hours, long random 2-3 hours



programmable random

- 1 Select program 20 with ←→
- 2 Press RND
- 3 Set program 20 to desired random time
- 4 Solid for programmable random

* Programmable random 1-2 hours



- Deactivate random function with RND or ON/OFF

MANUAL ON/OFF

- Power On and Off with ON/OFF

LCD DISPLAY

Due to the nature of the LCD display, when the timer is exposed to extreme cold temperature, the LCD display may become dim or faded. You may also experience slow response from the LCD display. This, however, does not affect the operation of the timer.

For better viewing, bring the timer indoors to room temperature and wait several minutes. You will be able to resume programming and setup once the LCD display returns to its normal state.

MOUNTING BRACKET

For safe and optimal performance, use the supplied mounting bracket to hold the timer vertically and flush against the wall. You will require your own tools and accessories (i.e. power drill, bits, screws, and/or screwdriver) for proper installation.

WARNING: To avoid shock hazard, timer must be installed vertically and at least 3 ft. above ground level.

TROUBLESHOOTING

problem	solution
LCD display seems "frozen". Buttons won't respond.	Press reset button to reset timer.
LCD display seems dim or faded. LCD display response is slow.	If timer is exposed to extreme cold, bring timer indoors. The LCD should return to normal under room temperature.
Programmed ON/OFF times don't execute.	Ensure that the program disable feature is not enabled.
Programmed ON/OFF times don't execute at specified times.	Ensure that the random function is not enabled.

TECHNICAL SPECIFICATIONS

Program: 20 programs
 Ratings: 120V AC, 15A
 Max Load: 1800W resistive; 600W tungsten
 Min switching time: 1 minute