

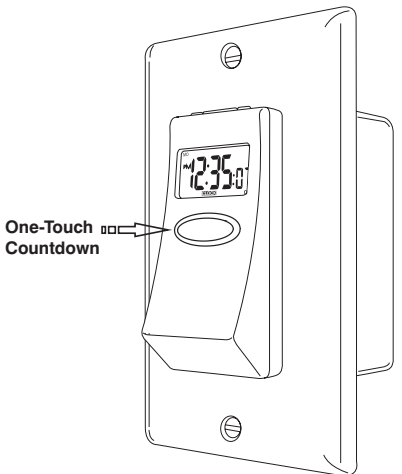
UPM ETW193 electronic programmable timer

OWNER'S MANUAL

Congratulations on your purchase of a UPM 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 programs / 20 OFF programs
- Countdown timer - "One-Touch Countdown"
- 3 random functions
- 12/24 hour clock
- 500W loading
- single pole or three-way



PAGE 1

CAUTION!

- * TO AVOID FIRE, SHOCK, OR DEATH; SHUT OFF POWER SUPPLY AT THE CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING.
- This timer is only compatible with incandescent (120V) lighting applications. The timer must **NOT** be used with magnetic transformers, motors or loads exceeding 500W.
- Handle installation with caution to prevent any risk of electrical shock that could cause serious injury or death. If you are not sure about any part of the given instructions, consult a qualified electrician.
- All wiring must comply with applicable codes and regulations.

PAGE 2

SINGLE POLE INSTALLATION

- 1 Disconnect the power supply at the circuit breaker or fuse before proceeding with the installation.
- 2 Remove existing switch and identify the wires in the wall box.
- 3 Using the supplied wire nuts, securely fasten the wires on the timer to the wires in the wall box according to diagram FIGURE 1.
 - Connect one of the **black** (hot) wire on the timer to the **hot** wire in the wall box.
 - Connect the other **black** (hot) wire on the timer to the **hot** wire in the wall box coming from the light fixture.
 - Terminate the **red** (three-way) wire on the timer with a wire nut. (For a single pole installation, the red wire is not needed).
 - For proper grounding, connect the **green** (ground) wire on the timer to the ground "screw" found inside the wall box.
- 4 Mount timer into the wall box carefully.
- 5 Restore power supply at the circuit breaker or fuse.

PAGE 3

THREE-WAY INSTALLATION DIAGRAM
INSTALLING THE TIMER IN PLACE OF LOAD SWITCH

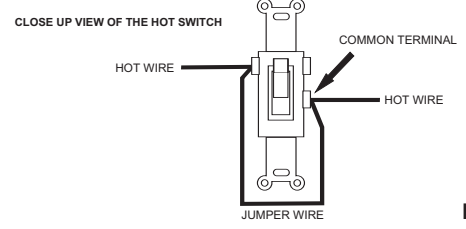
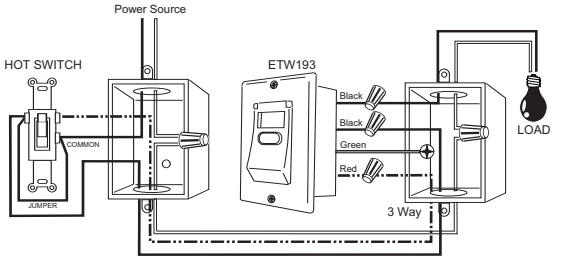
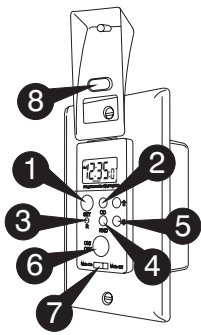


FIGURE 3

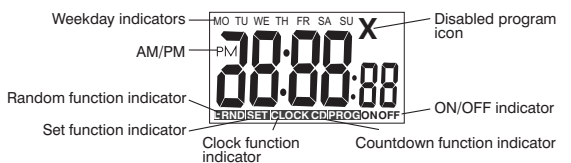
PAGE 10

GETTING STARTED button placements



- 1 SET - activates set functions
- 2 CD - activates countdown timer
- 3 R - reset
- 4 RND - activates random functions
- 5 ↑ ↓ - scrolls through selections
- 6 ON/OFF - manual on/off control
- 7 Main On/Main Off
- 8 One-Touch Countdown Button

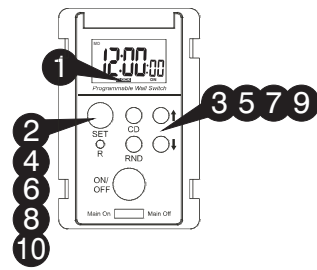
display



PAGE 11

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 wall switch timer comes with built-in memory backup protection. In the event of a power outage, all program and clock settings will remain in memory.

PAGE 12

SINGLE POLE INSTALLATION DIAGRAM

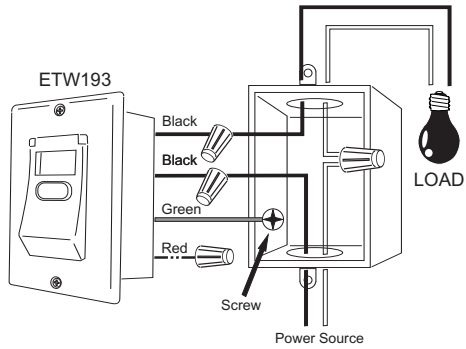


FIGURE 1

PAGE 4

THREE-WAY INSTALLATION

There are two switches in a three-way circuit. The switch directly connected to the circuit breaker is the HOT switch. The second switch is the LOAD switch. Ensure you know which switch you are replacing.

INSTALLING THE TIMER IN PLACE OF HOT SWITCH

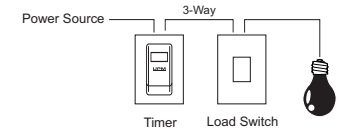
- 1 Disconnect the power supply at the circuit breaker or fuse before proceeding with the installation.
- 2 Remove existing switch and identify the wires in the wall box.
- 3 Using the supplied wire nuts, securely fasten the wires on the timer to the wires in the wall box according to diagram FIGURE 2.
 - Connect one of the **black** (hot) wire on the timer to the **hot** wire in the wall box.
 - Connect the other **black** (hot) wire on the timer to the **load** wire in the wall box coming from the LOAD switch.
 - Connect the **red** (three-way) wire on the timer to the **three-way** wire in the wall box coming from the LOAD switch.
 - For proper grounding, connect the **green** (ground) wire on the timer to the ground "screw" found inside the wall box.
- 4 Mount timer into the wall box carefully.

PAGE 5

THREE-WAY INSTALLATION

ADDING A JUMPER WIRE TO THE LOAD SWITCH

- * Disconnect the power supply at the circuit breaker or fuse before proceeding with the installation.
- 5 Take out the LOAD switch and identify the **common** terminal.
- 6 Connect the **jumper** wire to the LOAD switch according to diagram FIGURE 2.
 - Connect the **jumper** wire from the **common** terminal to the **hot** terminal of the LOAD switch.
- 7 Mount LOAD switch back into the wall box carefully.
- 8 Restore power supply at the circuit breaker or fuse.



PAGE 6

PROGRAM SETTINGS

- 1 Program select with $\uparrow \downarrow$
- 2 Press SET
- 3 Day select with $\uparrow \downarrow$
* Individual days / weekly selections
- 4 Press SET
- 5 Hour select with $\uparrow \downarrow$
- 6 Press SET
- 7 Minute select with $\uparrow \downarrow$
- 8 Press SET
- * Each program has an "ON" and "OFF" setting. Both must be set for operation.
Example: PROG 1 has an "ON" and "OFF"

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 $\uparrow \downarrow$
- 2 For **master disable** go to **CLOCK** using $\uparrow \downarrow$
- 3 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)
- * For a single program disable, both the "ON" and "OFF" setting must be disabled individually

PAGE 13

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 $\uparrow \downarrow$
- 2 Press SET
- 3 Start ON or OFF select with $\uparrow \downarrow$
- 4 Press SET
- 5 Hour select with $\uparrow \downarrow$
- 6 Press SET
- 7 Minute select with $\uparrow \downarrow$
- 8 Press SET
- 9 Second select with $\uparrow \downarrow$
- 10 Press SET

- Press CD or the **One-Touch Countdown Button** to start the countdown timer.
- Stop countdown timer with CD (or **One-Touch Countdown Button**) or ON/OFF.

PAGE 14

RANDOM FUNCTION short/long random

- 1 Short random from **CLOCK**
OR Long random from **CD**
- 2 Press RND
- 3 Flashing **RND** for short random
Flashing **LRND** for long random

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

programmable random

- 1 Select program 20 with $\uparrow \downarrow$
- 2 Press RND
- 3 Set program 20 to desired random time
- 4 Solid **RND** for programmable random

* Programmable random only works with program 20; 1-2 hours

- Deactivate random function with RND or ON/OFF

PAGE 15

THREE-WAY INSTALLATION DIAGRAM INSTALLING THE TIMER IN PLACE OF HOT SWITCH

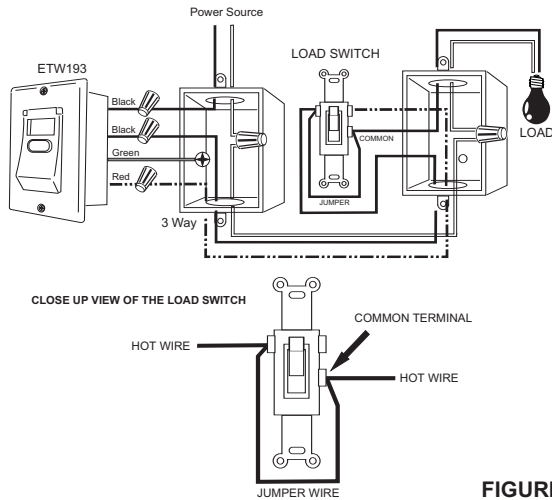


FIGURE 2

PAGE 7

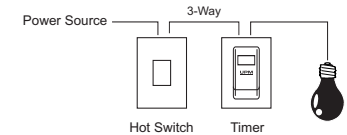
THREE-WAY INSTALLATION INSTALLING THE TIMER IN PLACE OF LOAD SWITCH

- 1 Disconnect the power supply at the circuit breaker or fuse before proceeding with the installation.
- 2 Remove existing switch and identify the wires in the wall box.
- 3 Using the supplied wire nuts, securely fasten the wires on the timer to the wires in the wall box according to diagram FIGURE 3.
 - Connect one of the **black** (hot) wire on the timer to the **hot** wire in the wall box coming from the lighting fixture.
 - Connect the other **black** (hot) wire on the timer to the **hot** wire in the wall box coming from the HOT switch.
 - Connect the **red** (three-way) wire on the timer to the **three-way** wire in the wall box coming from the HOT switch.
 - For proper grounding, connect the **green** (ground) wire on the timer to the ground "screw" found inside the wall box.
- 4 Mount timer into the wall box carefully.

PAGE 8

THREE-WAY INSTALLATION ADDING A JUMPER WIRE TO THE HOT SWITCH

- * Disconnect the power supply at the circuit breaker or fuse before proceeding with the installation.
- 5 Take out the HOT switch and identify the **common** terminal.
- 6 Connect the **jumper** wire to the HOT switch according to diagram FIGURE 3.
 - Connect the **jumper** wire from the **common** terminal to the **hot** terminal of the HOT switch.
- 7 Mount HOT switch back into the wall box carefully.
- 8 Restore power supply at the circuit breaker or fuse.



PAGE 9

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 program disable feature is not enabled.
Programmed ON/OFF times don't execute at specified times.	Ensure that the random function is not enabled.
Three-way switch is not working properly.	Disconnect power supply at the circuit breaker or fuse. Check installation for proper wiring.

TECHNICAL SPECIFICATIONS

Program: 20 programs
 Ratings: 120V AC
 Max Load: 500W; single pole or three-way
 Min switching time: 1 minute

PAGE 16