

# UPM

## RCT100 + RT601 Programmable Timer with Wireless PhotoCell Transmitter

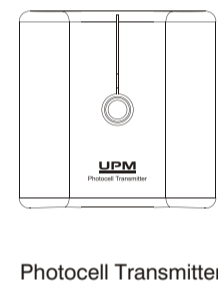
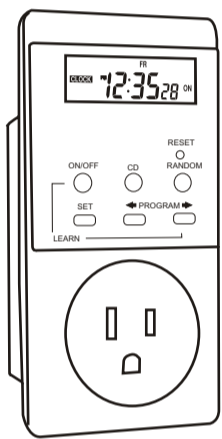
**OWNERS MANUAL**  
Congratulations on your purchase of a UPM remote control product. Please take the time to read and understand this manual so you can begin to enjoy the convenience and energy saving benefits this product has to offer.

**PROGRAMMABLE TIMER**

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

**PHOTOCELL TRANSMITTER**

- 433 MHz RF technology
- Activates timer at dusk or at dawn
- Timing Control Dial (30mins, 1, 2, 4, 6, 8, 10hrs, or continuous operation)
- Brightness Dial - for light sensitivity adjustment
- Transmission range: up to 40m in open area



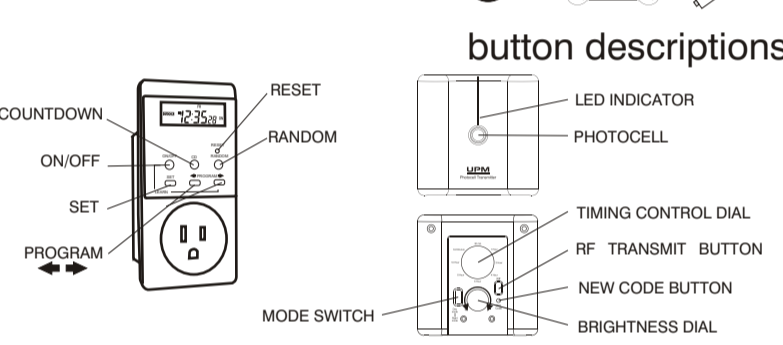
Programmable Timer

PhotoCell Transmitter

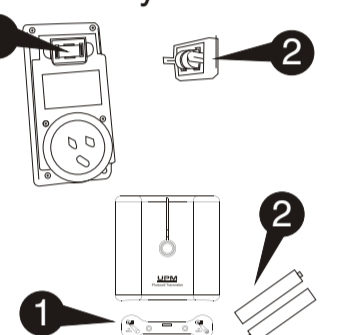
### GETTING STARTED

- 1 remove the battery cover from the back of the timer
- 2 place two button cell batteries between terminals observing proper polarity then replace cover

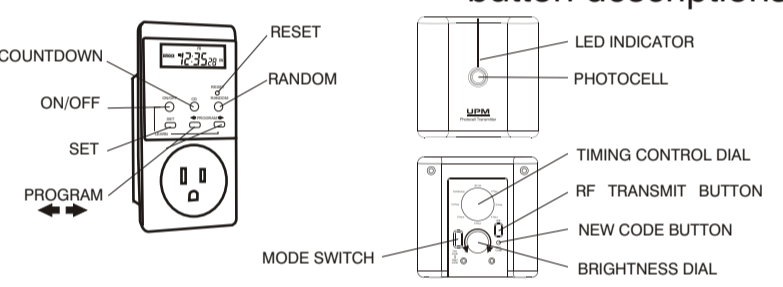
- 1 remove the battery cover from the transmitter
- 2 place two AA size batteries into compartment observing proper polarity then replace cover



### battery installation



### button descriptions



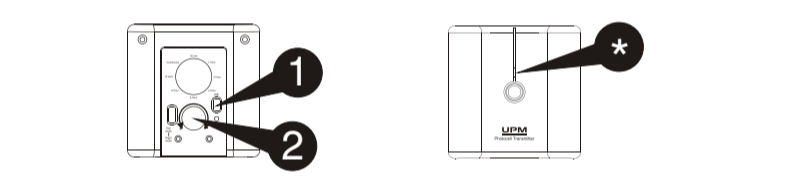
### PHOTOCELL TRANSMITTER user setting mode

- 1 Once you insert batteries into the transmitter, you will automatically enter the user setting mode. This mode will last for two minutes in which you can easily adjust the brightness or light sensitivity of the photocell sensor.
- Alternately, you can press the RF button on the transmitter to enter the user setting mode.
- 2 In user setting mode, turn the BRIGHTNESS DIAL to adjust the light sensitivity of the photocell sensor.

Use the LED INDICATOR (on front of transmitter) as a reference, so that you can fine tune the light sensitivity as desired.

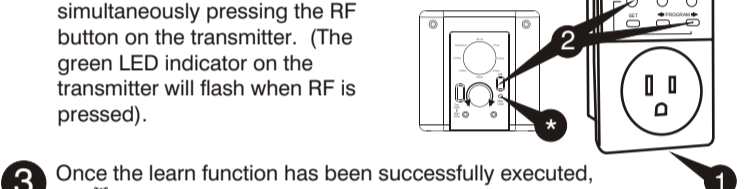
The LED INDICATOR of the transmitter will:

- > TURN ON - when the photocell sensor detects that it is bright
- > TURN OFF - when the photocell sensor detects that it is dark



### PHOTOCELL TRANSMITTER learn function

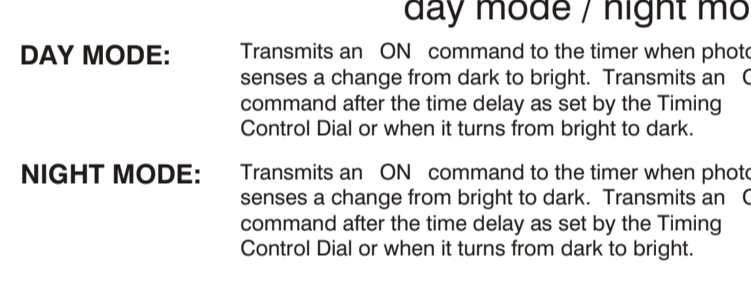
- 1 Plug timer into wall socket
  - 2 Press and hold ON/OFF and together on timer while simultaneously pressing the RF button on the transmitter. (The green LED indicator on the transmitter will flash when RF is pressed).
  - 3 Once the learn function has been successfully executed, the T symbol will flash on the top right corner of the LCD on the timer, every time the transmitter sends a signal or when the RF button is pressed.
- The photocell transmitter can control multiple remote programmable timers. Repeat 1 and 2 for additional timers (available at your local retailer).
  - \* The transmitter uses an intelligent code system to prevent interference from other sources. But if you do experience such interference, you can press the NEW CODE button to generate a new random house code. However, after pressing the NEW CODE button, you will need to redo the LEARNING procedure as described above.



### PHOTOCELL TRANSMITTER

The photocell transmitter works by detecting the brightness level of its surroundings and sends ON or OFF commands to the timer. The transmitter can be set to trigger the timer to run for 30mins, 1, 2, 4, 6, 8, 10hrs or continuously, and will automatically turn the timer OFF when the photocell senses a change from dark to bright (in NIGHT mode) or bright to dark (in DAY mode).

- 1 Slide MODE SWITCH: up for DAY mode and down for NIGHT mode
- 2 Turn TIMING CONTROL DIAL to select delay off time. (30 minutes, 1, 2, 4, 6, 8, 10 hours, or continuous)



### PHOTOCELL TRANSMITTER applications

- For safety, set the photocell transmitter to trigger the lights ON inside your doorway at dusk.
- For convenience, set the photocell transmitter to start your coffee maker at first light.
- For security, set the transmitter to activate lights in your home while you are away (day or night).
- For energy savings, set the transmitter to trigger your timer for controlled periods of time.
- To maximize functionality, combine the time settings of the photocell transmitter with those of the programmable timer to achieve your desired ON/OFF applications.

### TIMER OPERATION

- #### setting the clock
- 1 Press SET
  - 2 Day select with
  - 3 Press SET
  - 4 Hour select with
  - 5 Press SET
  - 6 Minute select with
  - 7 Press SET
  - 8 Second select with
  - 9 Press SET
  - 10 Press SET
- To toggle between 12/24 hour format, press RANDOM during clock setting.
  - To activate/deactivate Daylight Saving Time (DST) function, press and hold both and together for 3 seconds in mode; solid for DST.

### 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:
- Program 1-20
- #### 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 Press SET
  - 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
  - 2 OR Long random from
  - 3 Press SET
  - 4 Flashing for short random
  - 5 Flashing for long random
- \* Short random 1-2 hours, long random 2-3 hours
- #### programmable random
- 1 Select program 20 with
  - 2 Press RANDOM
  - 3 Set program 20 to desired random time
  - 4 Solid for programmable random
- Programmable random only works with program 20; 1-2 hours
  - Deactivate random function with RANDOM or ON/OFF

### TROUBLESHOOTING

- | problem   | solution   |
|---|--|
| LCD display seems frozen. Buttons won't respond.          | Press reset button to reset timer.                                       |
| Timer loses programs when unplugged                       | Replace batteries.   |
| 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.                          |
| Transmitter stops turning receiver on and off.            | Use the LEARN function to reprogram the receiver or check the batteries. |
- #### FCC / RSS-210 COMPLIANCE
- This device complies with Part 15 of the FCC Rules and RSS-210 of Industry Canada. Operation is subject to the following two conditions:
1. this device may not cause harmful interference, and
  2. this device must accept any interference received, including interference that may cause undesired operation.
- #### TECHNICAL SPECIFICATIONS
- Programmable Timer RCT100  
 Ratings: 120V AC, 15A  
 Max Load: 1800W resistive; 600W tungsten  
 PhotoCell Transmitter RT601  
 Transmission Range: up to 40m in open area  
 Transmission Frequency: 433.92 MHz

### INSTRUCTION TO THE USER

- This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.