

## Timer With Remote Control Instruction Sheet



### 1. Installation

- Mount the timer onto a wall near a grounded electrical outlet with the photo sensor facing outward.  
Note: To ensure proper operation of automatic function, ensure photocell sensor is shielded from all nighttime sources of light, i.e. floodlights.
- Insert nail or screw (not included) into mounting surface. Nail or screw head must extend at least 3/16 in. out from the wall. Hang the receiver from the slot on back of the unit onto the nail or screw. Plug the power supply cord of the receiver into the outlet.
- Plug the device cord into any of the two receptacles at the bottom of the receiver.

### 2. Programming on/off settings

Rotate the dial on the timer to select one of the following settings

Dial position	Function
OFF	Power OFF
ON	Power ON
DUSK-DAWN	Powers ON at dusk, OFF at dawn
2 Hrs	ON at dusk – OFF in 2 hours
4 Hrs	ON at dusk – OFF in 4 hours
6 Hrs	ON at dusk – OFF in 6 hours
8 Hrs	ON at dusk – OFF in 8 hours

### 3. Timer and remote interaction

Your timer includes a remote control with temporary override:

- Temporary override ON: turns the timer ON for desired settings (2, 4, 6 or 8 Hours). Please note that if the timer is set to a 2-, 4-, 6- or 8-hour mode, it will come on at dusk and will turn off 2, 4, 6, or 8 hours later.
- Temporary override OFF: turns the timer OFF for 12 hours before switching control back to the timer.

Timer Dial position	Using the Remote
OFF	Press the remote and the timer will turn OFF
ON	Press the remote and the timer will turn ON
DUSK-DAWN 2, 4, 6 or 8 HRS	Press the remote and it will go into a manual restart mode. The timer will restart from '0' and count until it reaches the time set on the dial, or dawn. Please refer to examples below for further explanation.

### 4. Examples

- Timer set to DUSK-DAWN When DUSK = 6:00 PM and DAWN = 5:00 AM. If at 4 :00 PM REMOTE activated to ON --> TIMER OUTPUT ON and stays ON until 5:00 AM. Next day, ON at DUSK, OFF at DAWN. If at 10:00 PM REMOTE activated to OFF --> TIMER OUTPUT OFF = 10:00PM and stays OFF until DAWN next day. Next day ON at DUSK, OFF at DAWN.
- If TIMER setting is 2 HOURS (or 4, 6, 8 HOURS and so on) DAY OR NIGHT TIME REMOTE ON --> TIMER OUTPUT ON 2 HOURS (4, 6, 8 HOURS) then OFF. When DUSK --> TIMER OUTPUT ON 2 HOURS (4, 6, 8 HOURS) then OFF. If DUSK is at 6:00 PM:
  - If at 5:00 PM REMOTE set ON, then TIMER OUTPUT ON immediately until 8:00 PM (as time count restarted at dusk time).
  - TIMER ON = 6:00 PM, TIMER OFF = 8:00 PM. If at 1:00 PM REMOTE set ON, then TIMER OUTPUT turns ON until 3:00 PM.
  - TIMER ON = 6:00 PM. If at 7:00 PM REMOTE set ON TIMER OUTPUT ON until 9:00 PM (as time count restarted at time remote activates to ON).
  - TIMER ON = 6:00 PM. If at 7:00 PM REMOTE set OFF, then TIMER OUTPUT turns OFF immediately until next day.

### 5. Remote control unit

- RF (radio frequency) transmitter is powered by one 12V alkaline battery.
- Red indicator light (1.)
- Flickers when transmitting.
- Remote operates the receiver.
- Chain and key ring (2.) for pocket or purse key ring use
- Replace battery when red indicator light (1.) does not flicker when a button is pressed.



### 6. Battery replacement

- Remove the battery compartment cover from the back of the remote control by sliding the cover in the direction that its threads curve.
- Remove the spent battery and place a new DC 12V Type 23A battery into the battery compartment, correctly observing the polarity indications (+/-) inside the battery compartment.
- Replace the battery compartment cover.



- Dispose or recycle spent/discharged batteries in compliance with all applicable laws. For detailed information, contact your local solid waste authority.

### SAFETY INFORMATION:

Let the switch hang downward so moisture does not accumulate in the outlet. Install cord and unit at twice the product height above ground level with the receptacle facing downward. Red indicator light is lit when the outdoor receiver/switch is on. Store indoors when not in use. Suitable for damp locations. Not for water immersion or for use where directly exposed to water.

### SPECIFICATIONS:

14/3 AWG SJTW vinyl cord  
 RATINGS:  
 120 V, 60 Hz, 15 A general purpose  
 1000 W tungsten

RECEIVER MODEL #TM-016  
 TRANSMITTER MODEL #TR-009S

### WARNING:

Federal Communications Commission Interference Statement

This equipment has been tested and found to comply with the limits for 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 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 the 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.

This device complies with Part 15 of the FCC Rules. 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 of the device.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### CAUTION:

- Risk of fire. Not for permanent installation. Use only with outdoor equipment, Christmas tree, or other seasonal decorative-lighting products having a total of 2 ampere maximum. Do not install or use this product for more than a 90-day period.
- If using Christmas tree or decorative-lighting products that are not marked with an ampere rating, connect no more than 140 screw-base lamps (C7 or C9) or 2 strings with midjet (push-in) lamps to this cord set.
- Cord sets shall be plugged into a GFCI-protected receptacle.
- If using an outdoor-use cord set for an extended period of time (greater than 90 days), please consider hard wiring a permanent outdoor-use receptacle rated for year-round use in the area that power is needed. Please contact a licensed electrician for proper installation of permanent wiring.
- After completion of installation, the connector shall be maintained a minimum of 6 in. above ground.
- SUITABLE FOR INDOOR/OUTDOOR USE – STORE INDOORS WHILE NOT IN USE.
- CAUTION: PLUG INTO GROUND FAULT PROTECTED RECEPTACLE ONLY.
- Position the timer away from other light sources. If the timer is too close to other light sources, or if the photocell is facing a light source such as a porch light or streetlight, the photocell may turn off the fixture outside of the timed settings. If this happens, relocate the timer or eliminate those other light sources.
- Always unplug when not in use.
- Do not unplug by pulling on cord.
- Before using your timer, please read the following instructions carefully.

### TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Lights do not turn on at dusk. Lights do not turn on, even when timer is in "Always On" position.	Lights are not in "ON" position, lights are not functioning, or timer is not receiving power.	Be sure that lights are functional by plugging them directly into the outlet. Be sure that lights are in "ON" position if they have their own switch. Be sure that the outlet that the timer is plugged into is active.
Lights do not turn ON and OFF at the requested time.	Batteries are no longer functioning, or timer is not set properly.	Confirm timer program. Replace batteries in remote control.