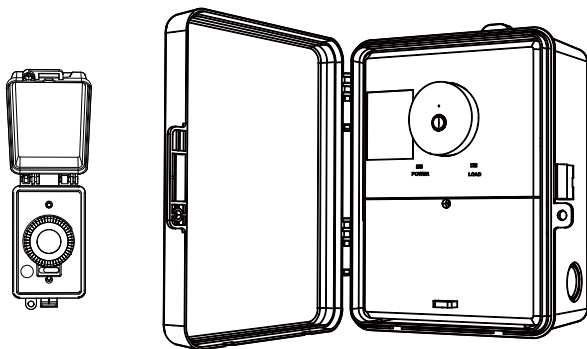


SURAIIELEC

Model No.: TU19MR
SKU: UBTM03A24

1000FT Remote Control Mechanical Timer Switch



**Questions, problems, missing parts?
Get support at**



support@suraielec.com
(Respond within 24H)



www.suraielec.com

THANK YOU

Thank you for placing your trust and confidence in SURAIIELEC — we truly value your support.

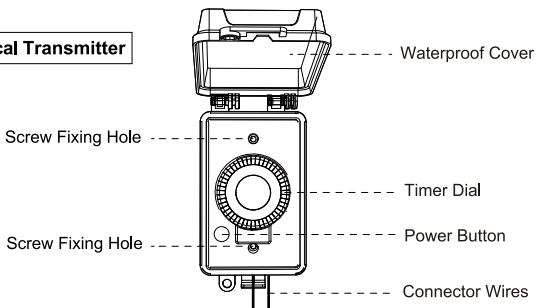
Safety Information

◆ **Warning:** To reduce the risk of fire, electric shock or personal injury strictly follow the instructions.

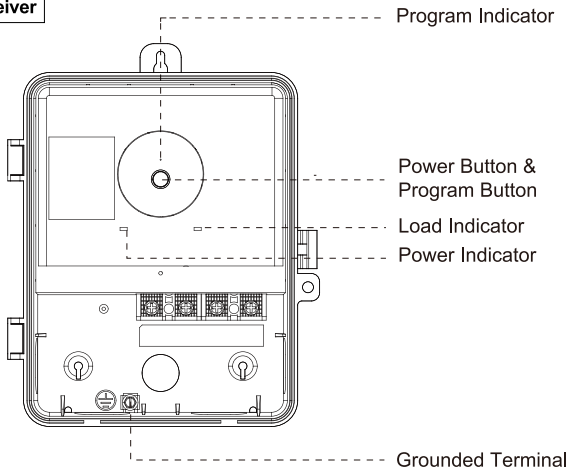
1. This Box Timer should be installed by a licensed electrician. Turn power off at main panel before servicing this switch or the equipment it controls.
2. Disconnect power at the circuit breaker(s) or disconnect switch(es) before installing or servicing.
3. Installation and/or wiring must be in accordance with national and local electrical code requirements.
4. This enclosure does not provide grounding between conduit connections. When metallic conduit is used, you must also install grounding type bushings and jumper wire.
5. Use #14- #8 AWG wires, rated at least 75°C (167°F)-COPPER conductors ONLY. (Box Timer Receiver)
6. Make sure there is no wire insulation under the terminal plate on the timer switch connector. Firmly tighten terminal screws.
7. Do not remove the insulator that is covering terminals.
8. KEEP THE DOOR CLOSED AT ALL TIMES when not servicing.
9. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. "Make sure to use this product together with 40A circuit breaker in the upstream" stated in the manual.

Product Layout

Mechanical Transmitter



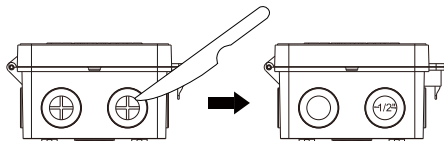
Box Timer Receiver



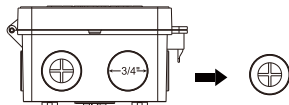
Installation Instructions

Mounting the Box Timer

1. Choose the knockouts (five 1/2" to 3/4" combination knockouts available)
For 1/2" Knockouts: Carefully cut off the inner ring of the rubber plug with a knife (FIG.1).
For 3/4" Knockouts: Please remove the entire rubber plug (FIG.2).



1/2" knockout
FIG.1



3/4" knockout
FIG.2

2. Mounting the Box Timer

- Hold the box in place and use the three holes (FIG.3) to mark position on the mounting surface.
- Mount the box with the screws

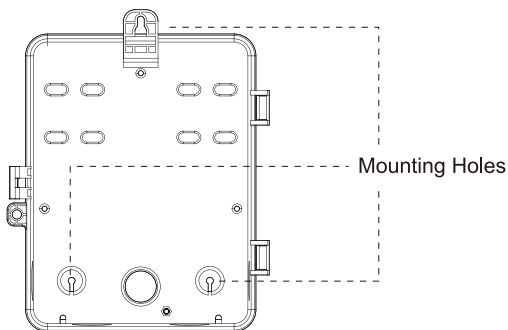


FIG.3 Mounting Holes

Wiring (Box Timer Receiver)

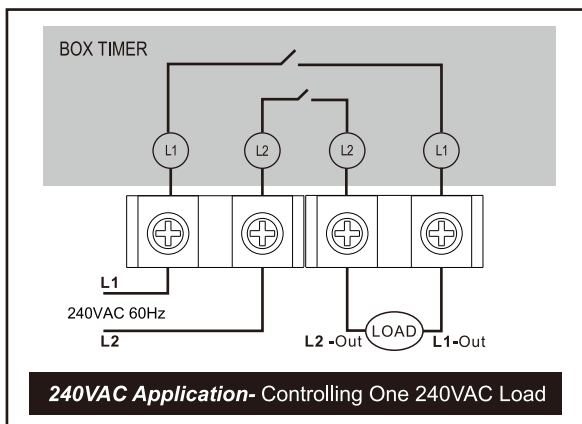
- Lift the plastic insulator off the retaining post to expose the terminal strip.
- According to the wiring diagram (TYPICAL APPLICATION WIRING DIAGRAMS) to wire.

Note: please connect the grounded wire to the grounding terminal.

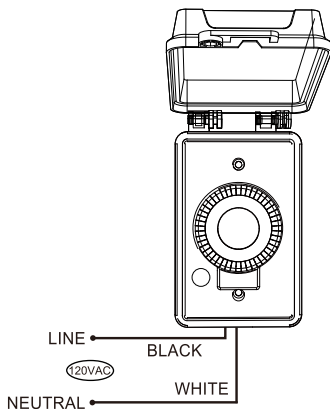
240VAC Box Timer

Warning:

240VAC box timer is designed to work only with a 240-volt circuit. If you try to use it on a 120V circuit, If you try to use it on a 120V circuit, it could cause damage to the timer, malfunction, or even create a safety hazard.



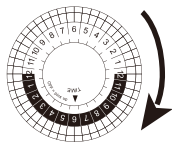
Wiring (Mechanical Transmitter)



Operating Instructions

1. Set the current time

Rotate the entire push-pin dial clockwise until the arrow aligns with the current time of the day on the dial.



2. Set the ON/OFF time

Begin with all pins in the UP position. Push the pins down at the marked times when the attached device is to be "ON". Each pin represents a **30-minute** time interval.

Note: Pins indicated by the arrow can not be pressed down, rotate the dial to make it work.



3. Temporary Control

Press the Power Button on the Mechanical Transmitter or Box Timer Receiver to turn the Box Timer on or off temporarily.

4. Permanent Settings

To keep the Box Timer normally open, push all pins down on the Mechanical Transmitter.

To keep the Box Timer normally closed, push all pins up on the Mechanical Transmitter.

Pairing

The transmitter and receiver have been pre-paired for immediate use, but there are a few units that are not pre-programmed or programmed incorrectly. To program transmitter and receiver, please follow the steps below:

1. Temporarily install the transmitter next to the receiver for convenient simultaneous operation. Note that the transmitter is connected to a 120V power supply.
2. Make sure the transmitter and the receiver is powered on.
3. Press and hold the receiver's program button for 3–4 seconds. The blue program indicator light will turn on. Release the button, and the indicator will begin flashing. The device is now in pairing mode (Pairing mode lasts

for 30 seconds. Please complete the pairing within this time. After 30 seconds, it will automatically exit pairing mode, and you will need to reset to enter pairing mode again).

4. Short press the transmitter's power button once. Within 3 seconds, The receiver's program indicator will light up and then turn off, indicating that the pairing is successful.
5. Press the transmitter control several times to verify that the pairing is successful.

Specifications

Transmitter Input Voltage

120VAC, 60Hz

Remote Control Range

1000ft (Free Area)

Receiver Input Voltage

240VAC, 60Hz

Contact Ratings

240VAC 60Hz

240VAC 60Hz 40A Resistive

240VAC 60Hz 3HP

240VAC 60Hz 40A FLA, 240A LRA

One Year Limited Warranty

SuraiElec warrants to the purchaser of this product, for the period of (1) year following the date on which Purchaser purchases the product, that the product shall be free of defects in design, assembly, material, or workmanship.

Federal Communications Commission Interference Statement

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.

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



RF exposure statement:

MPE: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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Quality Meets Innovation, Solve to Evolve