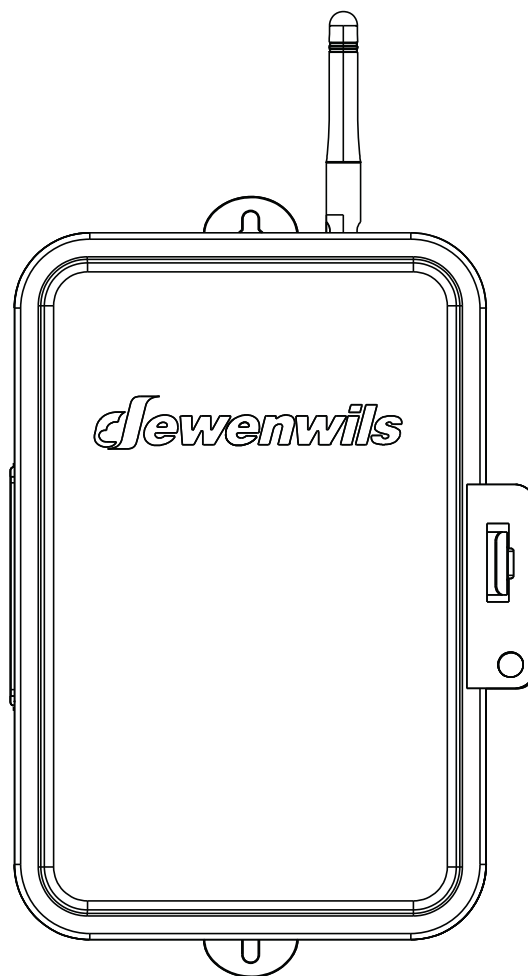




Zwave Smart Timer Box

SKU: HOWT01L
[Instruction Manual]



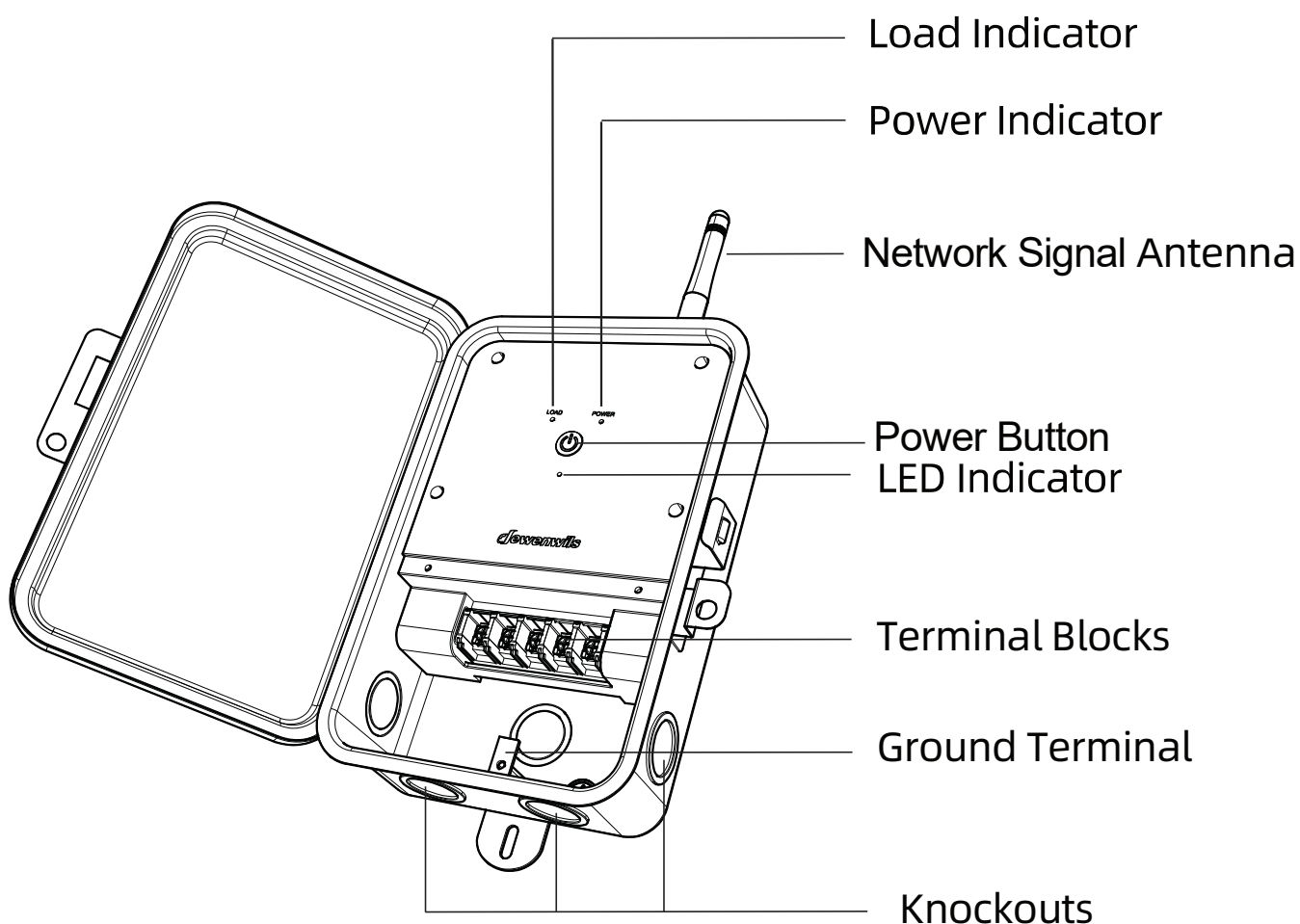
Please pay attention to the warning signs
Read the instructions with caution before operating
and keep it properly

⚠ WARNING: This Timer Box should be installed by a licensed electrician. Turn power off at main panel before servicing this switch or the equipment it controls.

IMPORTANT: For outdoor use. Rain-tight or wet location conduit, hubs, tubing, and cable fittings that comply with requirements of UL 514B must be used for installation.

READ ALL INSTRUCTIONS before using the Timer Box.

Product Illustration

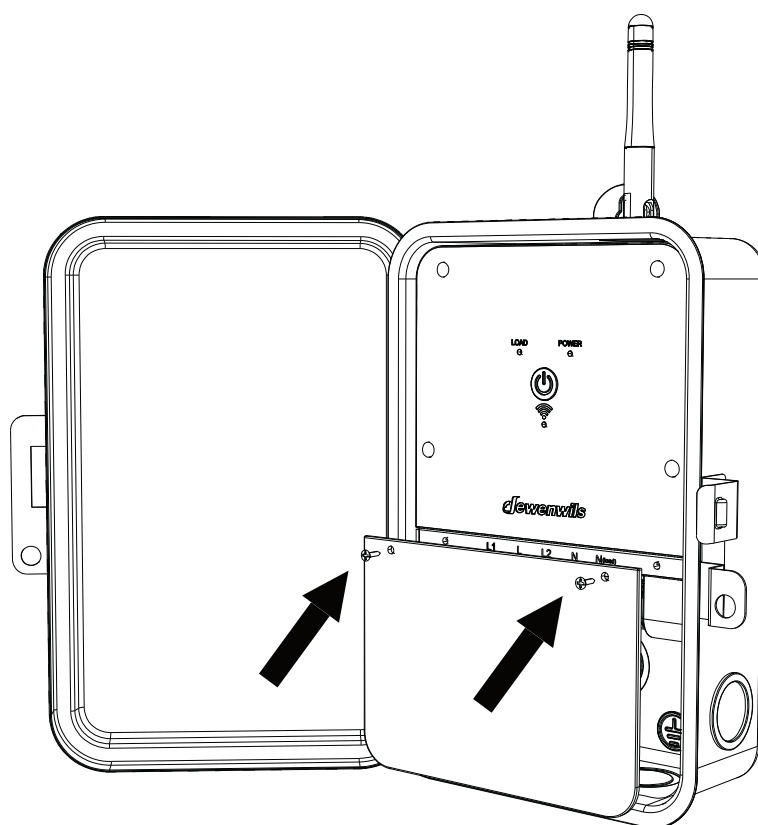


Specifications

- Input: 120VAC 60Hz
- Output:
 - 40A Resistive, 120VAC
 - 2HP, 120VAC

Specifications

1. Read Important Safety Information below before beginning installation.
2. Open outer cover by pressing the clip.
3. Remove the interior protection cover by removing the two screws holding the cover in place (Figure 1).
4. Select the knockouts to be used. Remove the inner 1/2" knockout by inserting a screwdriver in the slot and carefully punching the knockout loose. Remove slug. If 3/4" knockout is required, also remove the outer ring with pliers after removing the 1/2" knockout. Smooth any rough edges with a file or sandpaper, if necessary.
5. Place and mark the Pool Timer in the desired mounting position. Install two screws at the mark and partially drive into place. Attach Timer Box by placing screws over keyholes, then tighten screws.
6. Wire in accordance with national and local codes (see wiring diagrams below). Use copper wire AWG 8-18 suitable for 90°C(194°F). Tighten all connections to minimum 10.6 lb. in. torque.
7. Grounding: Connect all grounding wires to the grounding lug at the bottom of the enclosure.
8. Replace interior protection cover.
9. Close outer cover. Timer Box now is ready to be added to the Z-Wave network.



(Figure1)

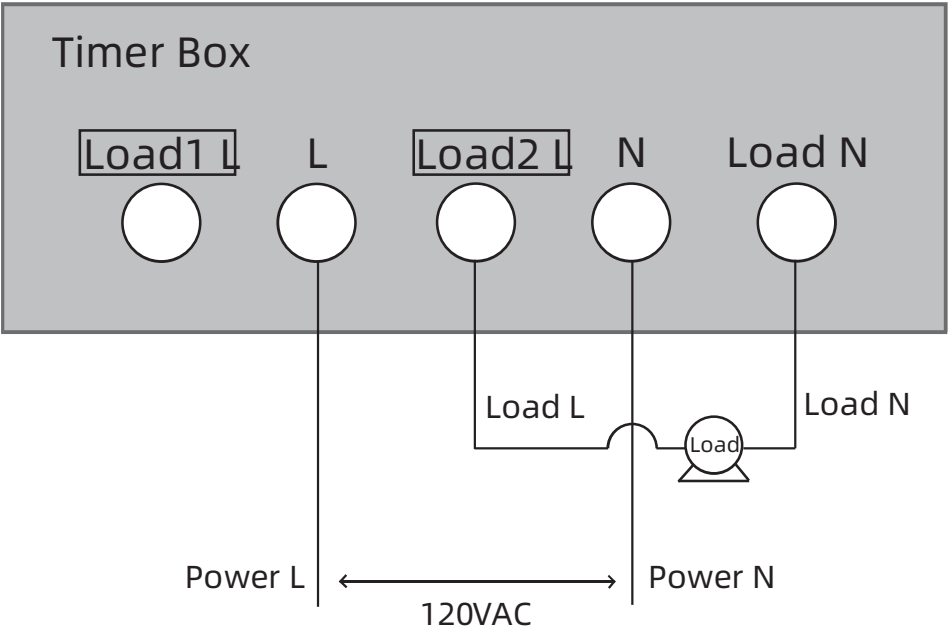
Important Safety Information

⚠ WARNING: Risk of Fire or Electric Shock. Read instructions thoroughly before installation and preserve for future reference. Disconnect power at circuit breaker and test if power is off before installing (or servicing) the Timer Box (more than one circuit breaker or disconnect switch may be required to fully disconnect power). Wiring must be in accordance with all national and local electrical code requirements. Inspect all terminals and wires with voltage meter before touching. The maximum total load to be controlled must not exceed Timer Box capacity. The Timer Box enclosure does not provide grounding between conduit connectors. When metallic conduit is used, you must also install grounding type bushings and in accordance with National Electrical Code (NEC) requirements.

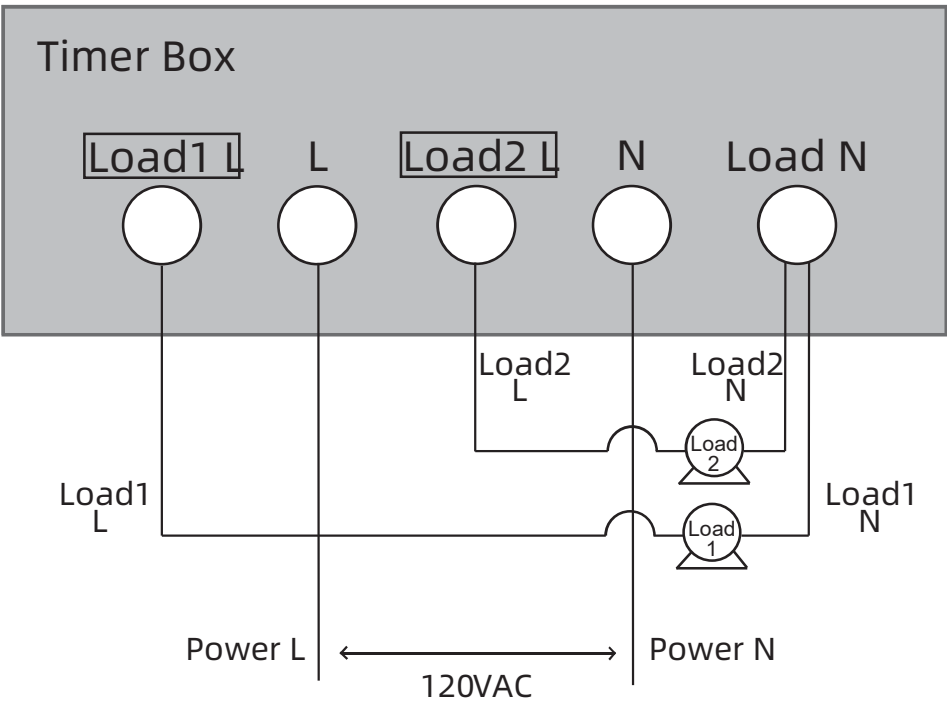
TIMER BOX TYPICAL APPLICATION WIRING DIAGRAMS

Note: Timer Box is only capable of being configured for 120VAC.

120VAC Application Controlling One 120VAC Load



120VAC Application Controlling Two 120VAC Loads simultaneously



This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase the reliability of the network.

STEP1.Add Device to Z-Wave Network

- a. Follow the instructions for your Z-Wave certified controller(or Z-wave Hub) to add a device to the Z-Wave network.
- b. Once the Z-Wave controller(or Z-Wave Hub) is ready to add your device, press the power button on the smart timer box 3 times quickly.
- c. The Led will flash.The Timer Box will enter the add network mode.
- d. If the networking is successful, the Led will always on.If the connection is not successful within 30 seconds,the Led will turn off, and you need to repeat above steps.
- e. You can now fully control the Smart Timer Box – turn it ON/OFF by group, scene, schedule, or through interactive automation using your Z-Wave certified controller(or Hub) .If your controller supports remote access, you can also control the device from your mobile phone or tablet.

STEP2.Add Device to Z-Wave Network for QR Code

Note: If your controller(or hub) does not support SmartStart, please add the smart timer box manually via STEP1.

The Smart Timer Box is compatible with the “SmartStart” system. The Smart Timer Box can be added to the Z-Wave network by scanning the QR code on the device and adding it to the primary controller’s or hub’s provisioning list (whitelist). No further action is required–within 10 minutes, the Smart Timer Box will automatically join a nearby Z-Wave network. (QR code reference below)



or



- a. Add the Smart Timer Box's QR code to the provisioning list (whitelist) of your Z-Wave primary controller or hub. (Refer to your controller or hub's user manual for detailed instructions.)
- b. Power cycle the Smart Timer Box (disconnect and reconnect the power).
- c. The Smart Timer Box will send a Z-Wave protocol Command Class to initiate the SmartStart inclusion process. Once the network inclusion begins, the Led will flash rapidly. If the inclusion is successful, the Led will always on.

STEP3.How to remove the Device from a Z-Wave network

- a. Connect the power of the Timer Box and set your Z-Wave controller or hub into remove network mode. (If you don't know how to make the Z-Wave controller or hub enter the remove network mode, please refer to the user guide of the Z-Wave controller or hub).
- b. Once the controller(or hub) is ready to remove your device, press the power button on the smart timer box 3 times quickly.
- c. The Smart Timer Box will enter the remove network mode.
- d. If the removing network is successful, the LED will always off.

STEP4.How to factory reset

When your network's primary controller is missing or otherwise inoperable,you may need to reset the device to factory settings manually.

Press and hold the power button on the Timer Box for 10 seconds until the indicator stays on, then release the button. The device will clear all settings and restore to factory defaults. After 5 seconds, the indicator will turn off, indicating that the reset is complete.

Note: During the 10-second press of the power button, the indicator will flash to indicate that the device is preparing for a reset. If the button is released during this time, the reset will not be executed.

TROUBLESHOOT:

1. Check whether the z-wave controller or hub is compatible with the device.
2. Reset the device and add it again. (Reset: Press and hold the power button for 10 seconds until the indicator starts blinking slowly.)
3. If step 2 doesn't work, do the z-wave exclusion in the app and re-add it.
4. If steps 2 and 3 don't work, please check if the button can turn on or off the device. Please note that pressing the button 3 times is needed to put the device into pairing mode.

FCC Radiation Exposure Statement:

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.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC STATEMENT

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.

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.

NOTE: 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.

One Year Limited Warranty

Supported by our professional R&D team and QC team, we provide One Year Warranty for materials and workmanship from the purchase date. Please note that the warranty does not cover damage caused by personal misuse or improper installation. Please attach your Order ID and Name so that our dedicated customer service team can help you better.



Made in China

ISED Warning:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil contient des émetteurs/récepteurs sans licence qui sont conformes aux RSS sans licence d'Innovation, Sciences et Développement économique Canada. L'exploitation est soumise aux deux conditions suivantes :

- (1) Cet appareil ne doit pas causer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences qui pourraient causer un fonctionnement indésirable de l'appareil.

ISED Radiation Exposure Statement:

This equipment complies with ISED RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet appareil est conforme aux limites d'exposition de rayonnement RF ISED établies pour un environnement non contrôlé. Cet émetteur ne doit pas être co-implanté ou fonctionner en conjonction avec toute autre antenne ou transmetteur. Cet équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur et votre corps.