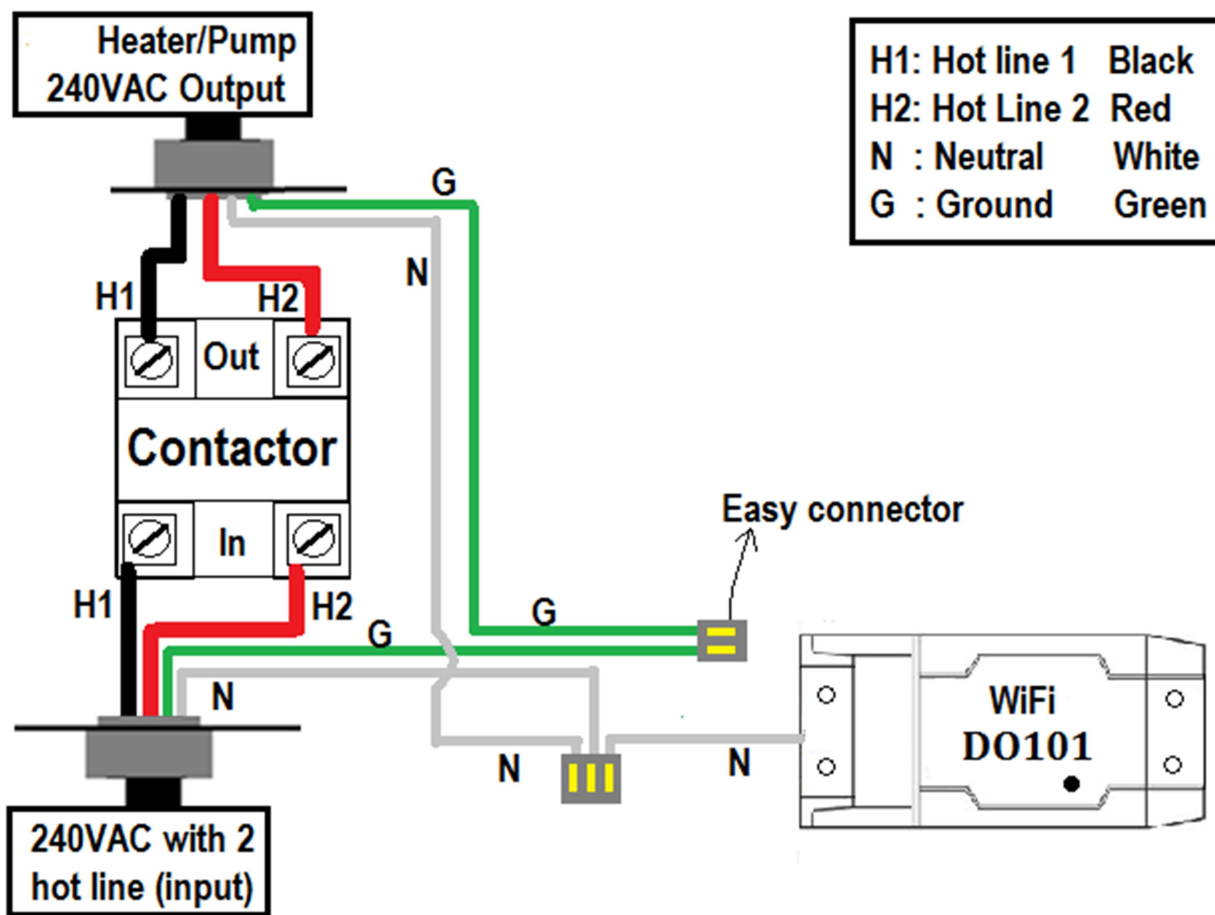# DO101-CT   www.thermomart.com

Wiring and installation

Before attempting installation or service, ensure that all power to the circuit supplying power to the system is disconnected / turned off at the circuit breaker. The device should be installed by a QUALIFIED PROFESSIONAL according the manufacturer's manual.

This controller will place between circuit breaker and your device (Spa, Pump or Heater), so for easy wiring, you need to cut your device (Sauna, Pump or Heater) cable in 2 halves. Bring out the 2 hot lines, neutral and ground wires of each cut end and then start with first hotline black (H1) and connect the hotline of one half to pole 1 of connector (lose screw and put the wire under terminal) and the black hotline of the other half to same pole in other side and repeat it again with another hotline Red and next pole terminal. Then connect the ground green wires of both halves to easy connector with green wire and Neutral white wires to easy connector with white wire. Please cover the contactor poles hotline pins and easy connectors with electrical tape for safety matter. For more clarification please check the following diagram (**for 120 VAC wiring**, use only the pole that Wi-Fi Receiver connected to it).

If you have a timer this controller can replace with timer easily. If you use your box outdoor, use silicon strip before closing box cap and all cable glands are tight (install the box on wall in a way that main cable glands are placed at the bottom or side of the box for rain protection) .

Pairing the Wi-Fi Receiver

Users should download eWeLink App on their Smartphone. The app is available on both Android play store "eWeLink" and iOS app store "eWeLink-smart home control".

After downloading the app, an account should be registered with your email (not phone#). A verification code will be emailed to you and by entering this code registration will be completed and you can login to your account.

Firstly, make sure you are close enough to Wi-Fi router and if you have VPN, remove it temporary. Also if your Wi-Fi is 5G, change it to 2.4G temporary. The app only **pairs with 2.4G Wi-Fi** but you can change it back to 5G when pairing is successfully completed. If you couldn't change your Wi-Fi to 2.4G, please check item 5 in "problems and solutions" section of this manual and you can also check our video on YouTube by searching "DO101 2.4G".

After wiring, check your Wi-Fi receiver is ON, When the LED light blinks (3 times) & pauses (once) repeatedly, it is ready for pairing, but if the LED blinks slowly, Press and hold the button on receiver for 4-7 sec. When the LED light blinks (3 times) & pauses (once) repeatedly, click on the "+" icon on your App and then you can release the pairing button. Then select the 1st pairing method "Quick pairing". Type your home Wi-Fi ID & password and click next. It takes 0.5-2 minutes for Wi-Fi Receiver to be paired with your phone and added to your account. You can name the device on the app to complete the process. When the blue LED is ON and solid, the Wi-Fi Receiver is Online. If it still doesn't pair or shows "Offline", **turn your "Router", "Device" and "Cellphone" OFF and ON** and try pairing again (check items 1 & 2 in "problems & solutions" section of this manual). To make sure the app works correctly, you should hear a clicking sound when you turn the switch ON/OFF by your smartphone or manually by pressing the pairing button. After pairing, the pairing button on the Wi-Fi Receiver can also operate as manual switch for turning the device (Spa, Pump or Heater) ON/OFF.

Features and functions:

ON/OFF Remote: Turn ON/OFF Your device (Spa, Pump or Heater) from anywhere in the world or at home by your iOS or Android Smartphone.

Professional timer: Use scheduled/countdown/loop on the app to turn Your device (Spa, Pump or Heater) ON/OFF at specified times. You can define 8 events on the app. Pre-set timers can even work if the internet is not connected to your Wi-Fi Receiver anymore.

Share Control: You can remotely control your device (Spa, Pump or Heater) with multiple Smartphones. Each Wi-Fi receiver has a main user, who can share it with other people. By downloading the app on another Smartphone you can easily add another remote to your household. The main user can also remotely add, modify, delete or enable each additional user and their authorizations.

Security mechanism: No one can add a registered Wi-Fi Receiver to their Smartphone without main user's authorization and only the main user has complete access to all features or share it. If you wish to transfer a registered Receiver to other users, it should be first deleted from the main user's App.

Update Last Version: This app sends you notifications when a newer firmware or version is available. Please update your App as soon as receiving the notification for using the latest features.

Voice Control: Go to device setting and select one of the icons (Alexa, Google Assistant, Alice and IFTTT). By clicking on each voice control system, it shows how to add your device to that system.

Setting

By clicking on ☺ sign at the top right corner of the app page, you will go to "setting" and there you can edit the **Name**, check and update the app **Last Version** and **Share** new user, turn the **Notification for operation** ON (this option sends notification to your phone when somebody turns your device Spa, Pump or Heater ON/OFF). You can check when and who has turned your device (Spa, Pump or Heater) ON/OFF from **Logs.** Also you can set the **Power-on state** status at ON, OFF or Last State. We recommend setting "Power-on state" at "OFF" status for safety matters in case of power outage or when electricity cuts off. Enable **Inching** mode if you need to turn ON and OFF your device (Spa, Pump or Heater) at a precise time by seconds from 0.5s to 3600s (works like a countdown timer). Please don't forget to use **save** icon if you want to save any changes in the setting section.

Problems and solutions

1. Wi-Fi Receiver has been paired and added to the app successfully but stays "Offline"?
The reason can be that **Wi-Fi Receiver is placed too far from the router**, which causes weak Wi-Fi signal. You can use Wi-Fi Extender or close your router to device. If it doesn't work, **turn your router, Smartphone and Receiver OFF and ON** and the problem should be solved. If it is still offline, just delete and add the Wi-Fi Receiver one more time.

2. I cannot pair my Smartphone with DTH101?
- Place DTH101 and your Smartphone close to your router and make sure that your **Wi-Fi is set at 2.4G** (you can set it back to 5G after pairing). Also make sure your Mac address filtering is Off.
- If you have VPN on your Smartphone, remove it temporary.
- Delete the eWeLink app on your Smartphone.
- **Turn OFF your "router", "Cellphone" and "DTH101"** all together and turn them back ON after 10 Seconds.
- Download the app one more time (only from the App store or Google play, but not iCloud) and register an account.
- Open your phone "Settings" and swipe down to find "ewelink app" there. Make sure that "Local Network" is ON for this app.
- Try to pair your device once more and make sure you will enter a correct Wi-Fi password and user name. When you enter the password you need to make sure that there is no blank space after the password, also consider all upper case and lower case characters.

3. The LED remains OFF, even when receiver is powered ON by wiring?
There is a loose connection. Check all wires connectors.

4. I cannot change the Wi-Fi from 5G to 2.4G?
This unit won't be paired if the Wi-Fi is at 5G. So, if you don't see 2.4G in your Wi-Fi list, type your router web address (the numbers like 192.169.0.1) on Google and login to your router admin page (router web address, Username and password is printed at the back of your router. Password can be your Wi-Fi password). Click on "Wireless" (the one that takes you to the wireless setting, not wireless status). Click on the "5G" tab and turn the "Wireless enabled" option OFF temporary and save the changes. After successfully pairing your Wi-Fi Receiver, you can change 2.4G to 5G again. You can also check our video on YouTube by searching "DO101 2.4G". If you cannot change this setting, contact your Internet provider for more assistance.

6. When the electricity cuts off or Wi-Fi Receiver is unplugged, the device (Spa, Pump or Heater) will turn on when power is back or I plug it again?
The "Power-on State" is set at ON. Go to the setting ☺ and change "Power-on state" to OFF.