



TURMION PRO WIFI TXF

MODELS TXF1 & TXF2

The sun always shines with Ascon Pool

Associated Controls
ABN 816 2280 2644
251 Rawson Street, Auburn, NSW 2144, Australia.

Tel: 1300 1ASCON (1300 127 266)
Email: sales@ascon.com.au Web: www.asconpool.com.au  YouTube: [Ascon Pool](#)

Turmion Pro WiFi Transformer (TXF)

Table of Contents

WiFi TRANSFORMER SPECIFICATIONS-----

INSTALLATION-----

GENERAL SAFETY RULES-----

WiFi APPLICATION METHOD-----

WARRANTY-----

WARNING

SAFETY INSTRUCTIONS: - Read prior to installing. When using Ascon Turmion Pro WiFi Transformer for LED pool lights, this equipment must be installed and serviced by a qualified technician. Improper installation can create electrical hazards which could result in property damage, serious injury or death. Improper installation will void the warranty. If the electrical supply cord of this product is damaged, return to supplier for repair to avoid hazards.

WiFi TRANSFORMER SPECIFICATIONS

Wi-Fi connectivity:

802.11a/ b/g/n 2.4G/5G

Channel 1-14@2.4GHZ; 36-177@5GHZ

Support WPA / WPA2 safe mode

802.11b mode + 20dBm output power

Support STA/AP/STA+AP work mode

Support SmartConfig function (including Android & iOS devices)

Onboard PCB antenna

Electrical specification:

Input: 240V AC 50HZ

Output: 30VA/60VA 12V AC

Fuses: Resettable fuse inside

Mechanical specification:

Length: 175MM

Width: 130MM

Height: 75MM

Weight: Approx. 1.5KG for 30VA WiFi transformer

Approx. 2KG for 60VA WiFi transformer

Output Connector Specification:

plug

socket



Output connector M20 IP67 is waterproof. Solder the output cable to the connector.

INSTALLATION

The Ascon Turmion Pro WiFi Transformer (TXF) can be installed either indoors or outdoors. However, the TXF must be positioned so the electrical terminal connections are facing downward to the ground to ensure maximum protection of all electrical terminal connections.

Choose a location for the WiFi TXF to ensure the distance between the WiFi TXF and the LED pool lights being connected complies with the LED pool lights maximum power cord length.

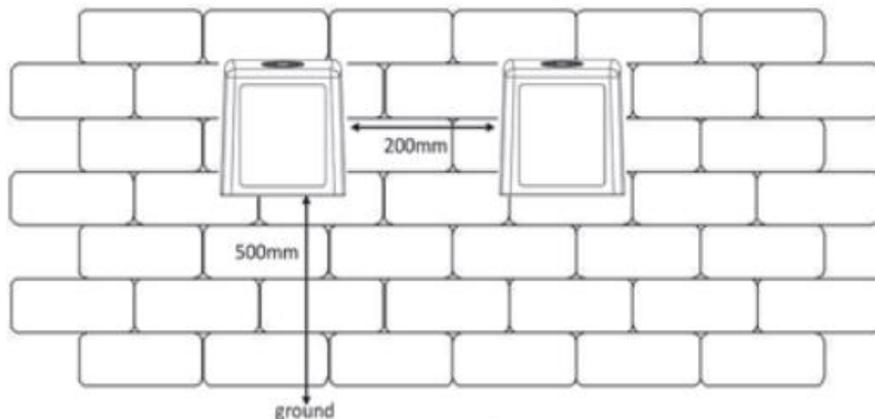
Note: Refer to the LED pool lights manufacturer's specifications.

The Ascon Turmion Pro WiFi Transformer should not be mounted in areas where chemicals are stored (e.g. acid and chlorine). Also ensure that the WiFi TXF can be connected to the mains power outlet of the pool area.

Note: This outlet must meet the current applicable local standards at the time of installation.

Note: Do not use a double adaptor to connect the Ascon Turmion Pro WiFi Transformer to the mains power as this will overload the system and void warranty.

INSTALLATION INSTRUCTIONS



The Ascon Turmion Pro WiFi Transformer must be mounted at minimum of 500mm above ground level. Multiple units should be mounted at minimum of 200mm from each WiFi TXF and a minimum distance of 500mm from any other electrical equipment or device. Electrical terminal connections should be on the underside of the unit.

GENERAL SAFETY RULES

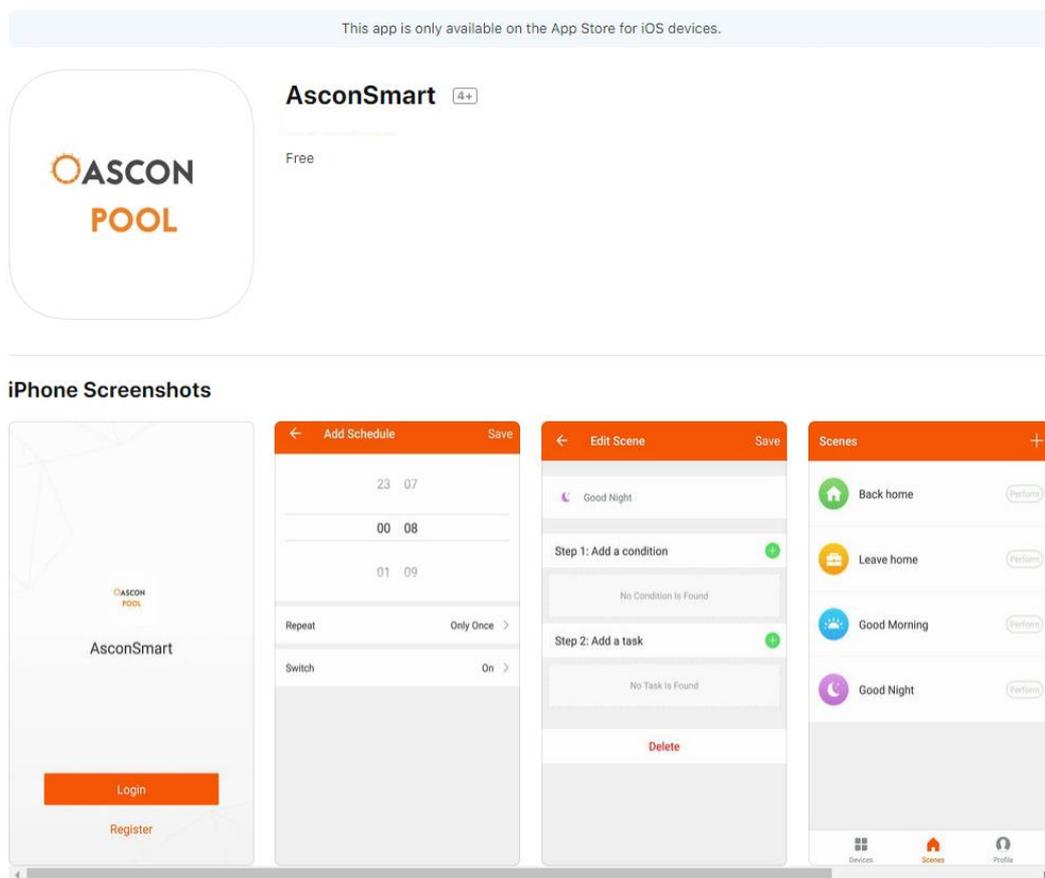
1. The installation of the Ascon Turmion Pro WiFi Transformer should be carried out in accordance to the safety instructions of swimming pools especially Standard HD 60364-7-702:2010, Install & protection output circuit in accordance with AS/NZS61558.2.6, AS/NZS 3000:2007 or as amended and the specific instructions for each facility.
2. The rules enforced on accident prevention should be carefully followed.
3. No modification to the Ascon Turmion Pro WiFi Transformer is to be carried out. This will void the warranty of the product and the manufacturer accepts no responsibility for any damage or injuries.
4. Original replacement parts and accessories authorized by the manufacturer ensure a high level of safety.
5. The manufacturer accepts no liability for the damage and injuries caused by unauthorised replacement parts and accessories.
6. During operation, some parts of the Ascon Turmion Pro WiFi Transformer are subject to dangerous electric voltage.
7. Work may only be performed on the Ascon Turmion Pro WiFi Transformer or on the equipment connected to it after disconnecting from the mains power.
8. The user should make sure that assembly and maintenance tasks are carried out by qualified authorised persons and that these persons have first carefully read the owner manual.
9. The operating safety of the Ascon Turmion Pro WiFi Transformer is only guaranteed if the owner manual instructions are correctly followed.
10. In the event of defective operation or fault, contact the manufacturer's Technical Support Department or its nearest Authorised Agent.
11. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person.
12. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

WiFi APPLICATION METHOD

1. Download and install the app – AsconSmart.

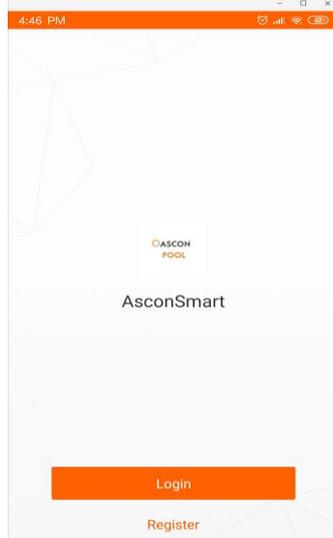
Using your smartphone or tablet go to  App Store or  Google Play. Download the **AsconSmart** app, and install the app.

[App Store Preview](#)

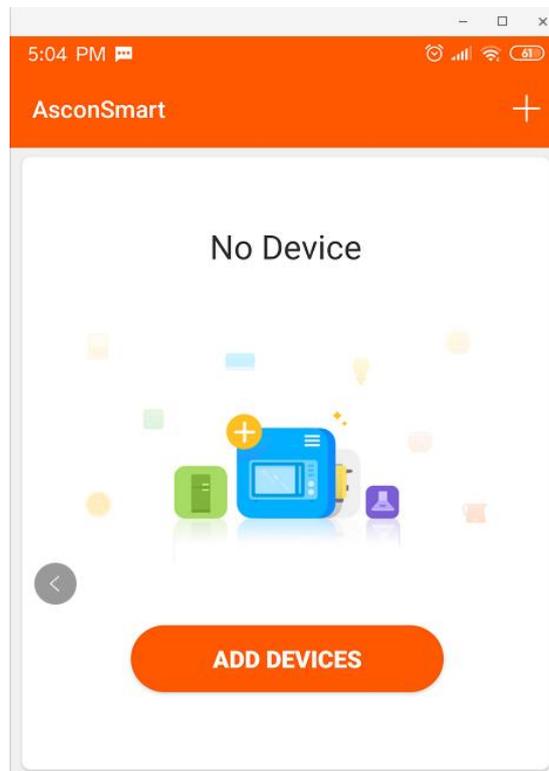


2. Register AsconSmart account.

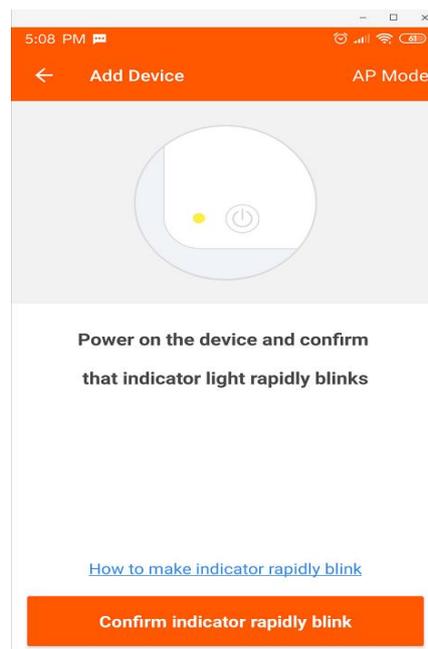
Open the **AsconSmart** app, register with mobile phone number or E-Mail.



3. Run AsconSmart app. Click “+” or button (ADD DEVICES) to add WiFi transformer.



4. Power on WiFi transformer and confirm the WiFi indicator light flashes rapidly (flashes every 1 second). If not flashing, press and hold WiFi button for over 5 seconds. If flashes slowly (flashes every 2 seconds), press and hold WiFi button for over 5 seconds.

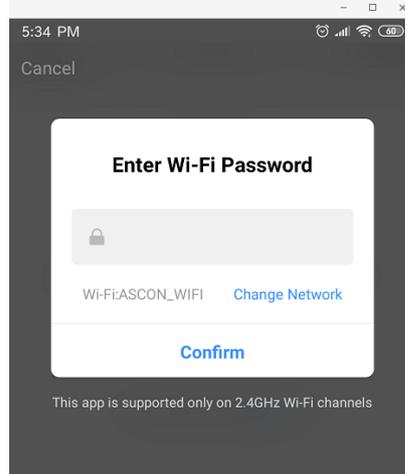


5. Click “Confirm indicator rapidly blink” button on AsconSmart app. Then input the WiFi password.

Note1: Mobile phone should have connected to the WiFi before running AsconSmart app.

Note2: AsconSmart app only supports 2.4GHz & 5GHz WiFi signal.

After WiFi transformer is added, the indicator LED will stay on.



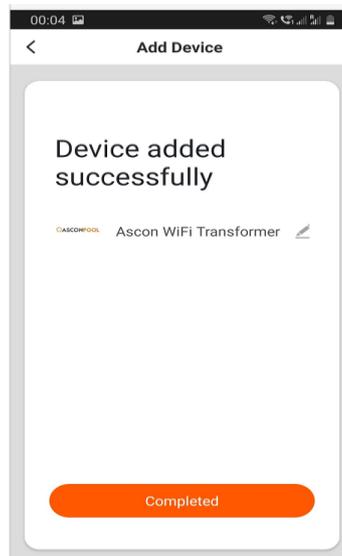
6. Click “Confirm”, AsconSmart will search for the available Ascon WiFi transformer.

Connecting Now

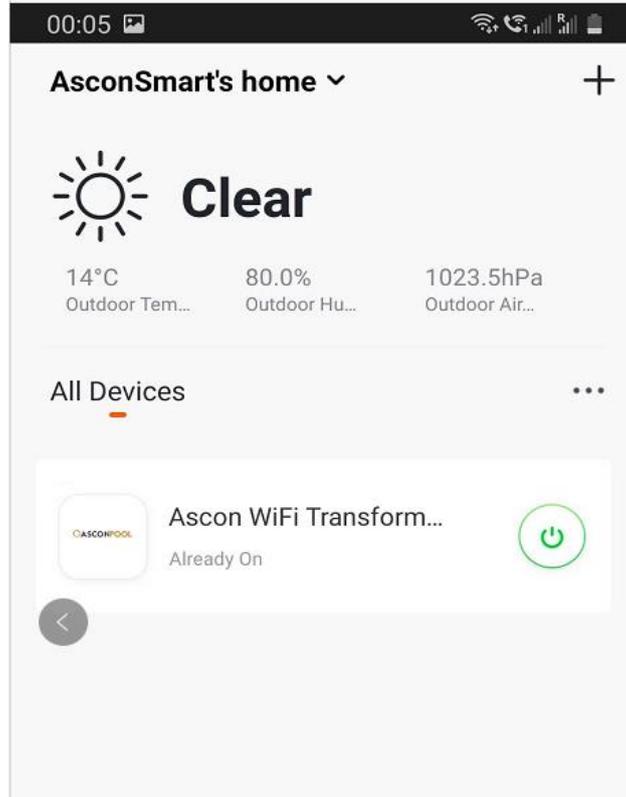


Make sure your phone and device are as close to your router as possible.

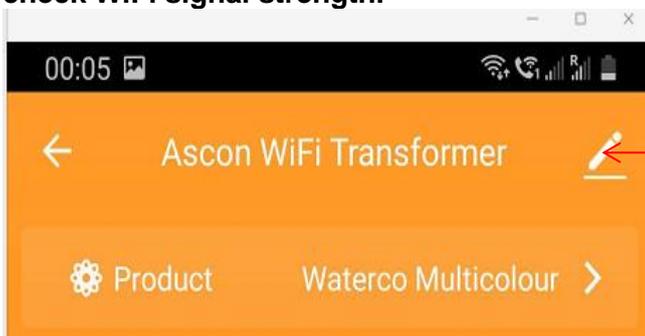
- Searching for Device
- Registering device to the cloud
- Initializing your Device



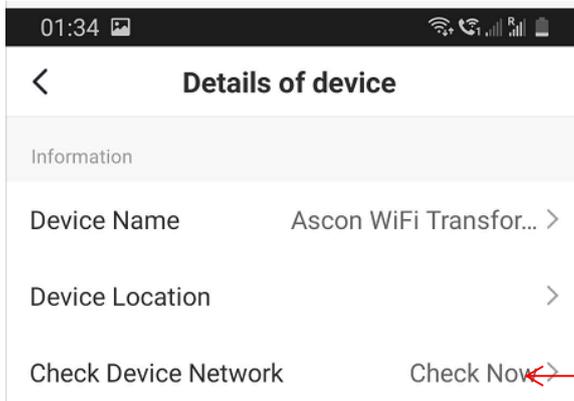
7. Ascon Turmion Pro WiFi Transformer is added in AsconSmart app now.



8. After the device is added successfully, click “Check Device Network” to check WiFi signal strength.

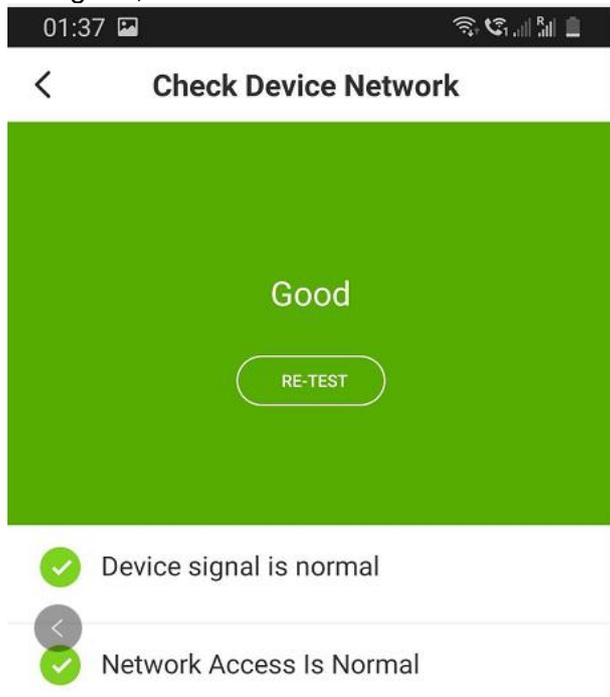


Click “pencil”, go to “Details of device”



Click “Check Device Network”

If all good,



To operate different Multi-coloured pool lights

The first time the TXF is operated, please Click **Select – Reset for the app to set to the correct colour**

Programming sequences for the following pool lights have been added to this version of the Turmion Pro Wifi TXF:

- AquaQuip Multicolour Pool Lighting
- AquaQuip InstaTouch Enabled Pool Lighting
- SpaElectrics Multicolour Pool Lighting
- Waterco Multicolour Pool Lighting

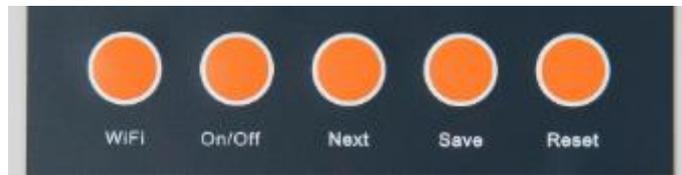
Click **Select - Reset** will turn the pool light to the default colour.

Click **Select - Next** will change the light to the next colour in the sequence.

Click **Select – Save** for the TXF to remember your favourite colour

N.B. Delay times for programmed pool lights range from 5 to 15 seconds.

Functions of button switches.



WiFi button - Press and hold for over 5 seconds to WiFi reset.

On/Off button – Power on/off Multicoloured pool lighting manually.

Next button – Go to next colour.

Save button – Save your favourite colour. When powering off and powering on again, the WiFi TXF will flash to your favourite (saved) colour.

Reset button – WiFi TXF will reset pool lighting to its default colour.

Functions of APP menu



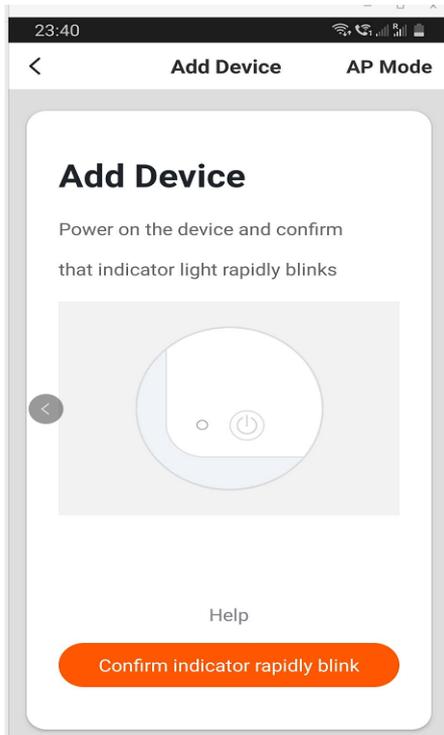
*** Colour modes for multiple pool lights are in the MODE menu. If a colour is chosen that IS NOT part of the sequence for your light, the TXF will not change.**

TROUBLESHOOTING IF 'FAILED TO ADD DEVICE'.

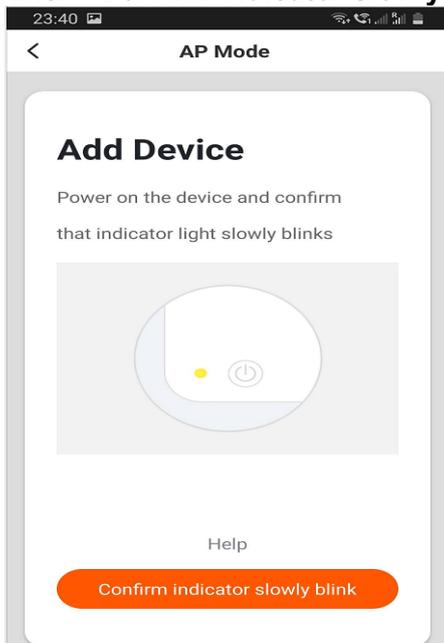
If 'failed to add device', use AP MODE to add device.

Make sure WiFi indicator flashes every 2 seconds, if not press and hold the WiFi button for over 5 seconds.

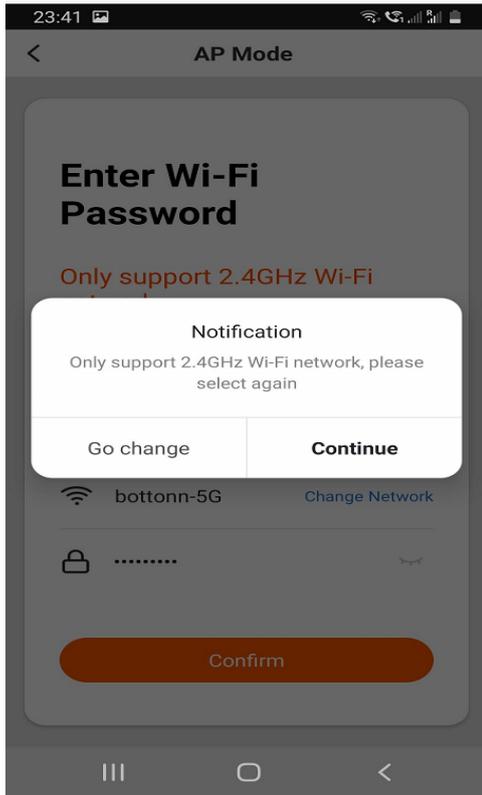
Click "AP MPDE"



Click "Confirm indicator slowly blink"



Click “Continue”



Note: If you are using 5GHZ WiFi signal, ignore the warning message, click “Continue”.

Follow the APP instructions, find and add Ascon Turmion Pro WiFi Transformer to APP.

Please also check:

- If the device is powered on.
- Whether mobile phone is connected to the Wi-Fi.
- Whether the device is ready for configuration. To get the device ready for configuration, you can manually press the on button.
- Each time a device is added, reset the Wi-Fi button to get the device ready for configuration and make sure router is working properly.
- Check routers or related.
- If router is dual-band router, select 2.4G or 5G network and add the device. You also need to enable router’s broadcasting function.
- Set up wireless router. Set encryption method as WPA2-PSK and authorization type as AES or set both as auto. Wireless mode cannot be 11n only. To maintain a strong Wi-Fi signal, please keep the device and router within certain distance.
- Check whether connected devices have reached the maximum number of router’s connections. If so, please try turning off the Wi-Fi connection of some devices.

- Router's wireless MAC filtering function is enabled. Remove the device from the filter list and make sure that router is not prohibiting device from connection.
- Make sure the password entered in App is correct when adding new Device.

WARRANTY

The Ascon Turmion Pro WiFi Transformer is covered by a 1-year warranty for domestic and commercial installations.