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TECO[®]



TECOnnect WiFi Module

Setup and Installation Guide

Technical Characteristics

TECConnect WiFi Module



Model	TECConnect
Power Supply	5V DC
Consumption	0.1A
Weight	
Dimensions	90x70x35 (h) mm
Other	no. 4 magnets to fasten to metal panel

Requirements:

- Smartphone that is equipped with either:
 - iOS 8.0 (or higher)
 - Android 4.1 (or higher)
- WiFi Network
 - 2.4GHz Frequency
 - WPA2 Security Method



NOTE:

The TECConnect WiFi Module can be exclusively used with TECO WiFi enabled devices.

Getting Started

You Will Need:



TECConnect WiFi Module



WiFi-Enabled TK or HY model
TECO Chiller



TECConnect Mobile App

Installing Your Device

TECConnect WiFi Module



- ① Connect the included power supply cord to your TECConnect WiFi module and then plug in the power supply to your wall outlet.



- ② Connect the module's grey network cable into your WiFi-enabled Teco chiller.



NOTE:

The WiFi module is magnetic and will easily attach to the metal side of your chiller.



- ③ Ensure that your chiller is powered on. A yellow LED light on the TECConnect module will indicate a correct connection between both the chiller and the module.

You are now ready to install the TECConnect App.



NOTE:

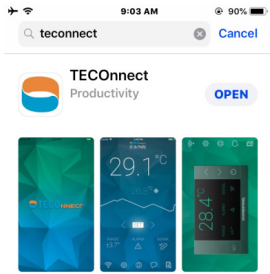
If the yellow LED does not light up, the grey network cable between the TECConnect WiFi Module and the chiller is not well connected and must be checked. Ensure that both the chiller and the WiFi module are connected to a power supply.

If the chiller interface shows "ER," push the "SET" button on the chiller's controller and the "ER" message will disappear.

Make sure you are in range of your WiFi router so the device can access the internet.

Setting Up Your TECOnnect App

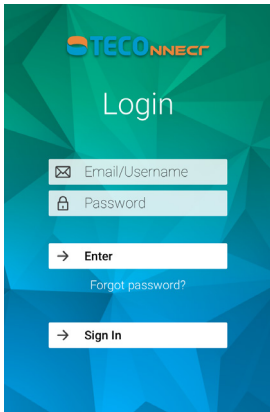
iOS Setup



- 1 Open your smartphone's App Store and search for the TECOnnect app.

Download and install the app on your mobile device.

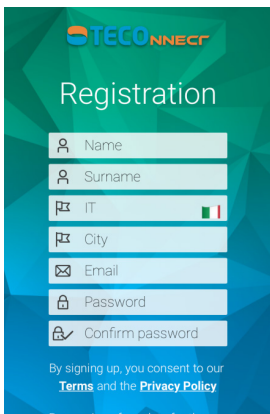
Once paired with your WiFi module, you will be able to wirelessly monitor and control your chiller from the comfort of your smartphone.



- 2 Launch the TECOnnect app once it has fully completed its download. Here, you will either register for a new account or log in to your existing account.

To create a new account, select the "Sign In" button at the bottom of the interface.

If you have an existing account, fill in your account information in the spaces provided and select "Enter."



- 3 Next, fill in the registration information using alphanumeric symbols.

The email address you provide will be sent a confirmation email. You will need to confirm your email address in order to complete the registration process.

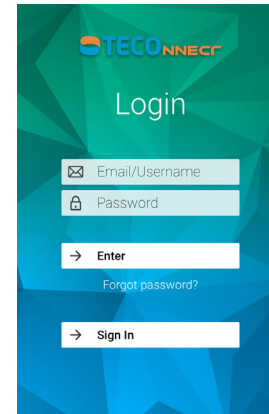
- 4 Once you have filled in your information and acknowledged the terms & conditions, select "Proceed"

- 4 At this time, exit the app to confirm your email. Once you have confirmed, relaunch the TECOnnect app to finish the module setup.

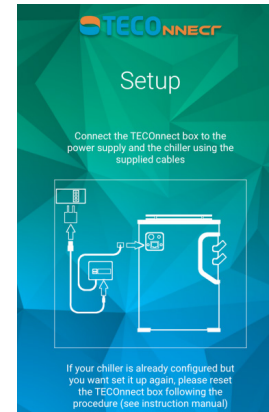
NOTE: Check your spam and junk folders if you do not see the confirmation email in your inbox.

Connecting Your Chiller to the App

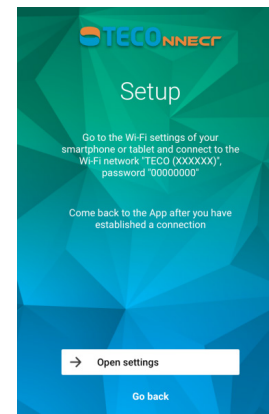
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- 1 Login to your account with your TECOnnect email address and password. Select "Enter" once you have filled in your credentials.



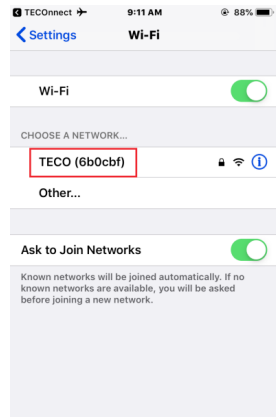
- 2 Verify that your TECOnnect module and chiller are configured correctly and connected as pictured. Select "Proceed" to continue to the next step.



- 3 After verifying that your connection is correct, the app will ask to launch your Settings app in order to set the wireless connection. Select "Open settings."

Connecting Your Chiller to the App

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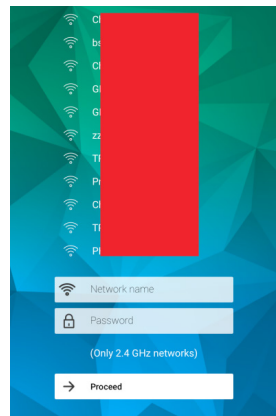


- ④ In your WiFi settings, select to connect to the wireless option TECO(XXXXXX).
- The password for TECO(XXXXXX) is **00000000** (Eight zeroes).

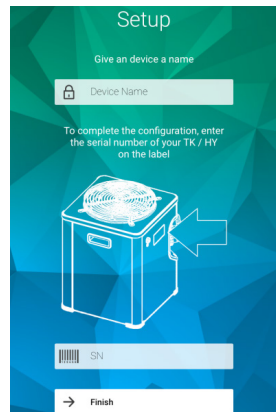
NOTE:

If you cannot find the TECO(XXXXXX) wireless option:

- Disconnect the module's power supply and power it again.
- Turn your smartphone's WiFi off, wait a few seconds, then turn it back on.
- Reset your TECOnnect WiFi Module as a last option (see page 11).



- ⑤ Once connected, return to the TECOnnect app.
- ⑥ In the TECOnnect app, select your WiFi router from the list and enter its password to connect.
- Select "Proceed" to continue to the next step.



- ⑦ Now, name your device and then enter your chiller's serial number, from the manufacturer's label, found on the back of your machine.
- Select "Finish" when you have done this.
- Allow a few seconds for your chiller to connect.

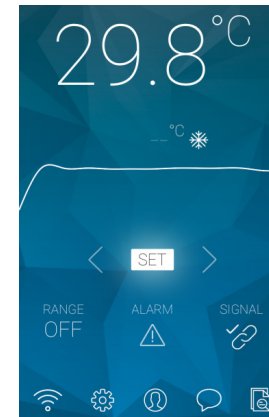
NOTE:

*Make sure to use **capital letters** when entering your chiller's serial number.*

What may appear as a lowercase L or a number 1 is the capital letter 'i'.

Connecting Your Chiller to the App

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TECOnnect Vertical Interface








TECOnnect Horizontal Interface

NOTE: *If unable to display, unlock your phone's rotation lock.*

- ⑧ You are now successfully connected to your chiller via your smartphone.
- From the comfort of your device:
- Remotely monitor your chiller
 - Receive temperature notifications
 - Set alarm parameters
 - Monitor your chiller's performance data
 - Easily toggle between °F and °C
 - Reset your chiller if necessary

TECOnnect App Menu Buttons

Icon Meaning

				
Setup	Settings	User Account	Contact	TECO
Add new devices or reconfigure your device	Toggle through and adjust your chiller parameters	Access your personal account data	Find TECO's contact information	Visit TECO's website

LED Status, Alarms, & Signal Alerts

LEDs

	Green LED Off	Module not connected
	Green LED Flashing	Module connecting to WiFi
	Green LED On	Module connected internet
	Yellow LED Off	No connection to chiller
	Yellow LED On	Connection to chiller present
	Perfect Connection	Connected properly — no problem
	Red LED Flashing	Detect in progress — the chiller is trying to determine if the module is connected
	Red LED On	Module is programmed to a different chiller than the one it was originally set — may need reset
	Red LED & Green LED Flashing Simultaneously	Module configuration phase
	Red LED & Green LED Flashing Alternately	Reset complete

Alarms

	The temperature is outside the user-defined set range
	Problem with chiller. See chiller manual for instructions to solve problem
	Thermostat EEPROM error

Signal Alerts

SIGNAL OK	TECConnect is connected and properly working
NO SIGNAL	TECConnect is not communicating with chiller <ul style="list-style-type: none"> • Make sure the chiller is powered on • Ensure the TECConnect cable is connected to the chiller • Check to see if something is pressing the keys of the chiller thermostat. When the thermostat is pressed for 20+ seconds, communication between the chiller and module is suspended. Communication will automatically reestablish.
NO WIFI	TECConnect is not connected to the internet <ul style="list-style-type: none"> - Check to see if the module is connected to its power supply

Reset & Reconfigure TECConnect Module

Reset

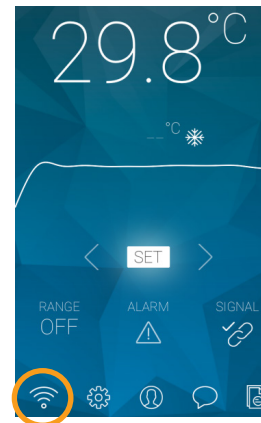


- 1 Unplug the TECConnect from its power supply.
While unplugged, locate the reset button on the back label of the module.

NOTE: You will need a paper clip or similar item in order to press the module's reset button.

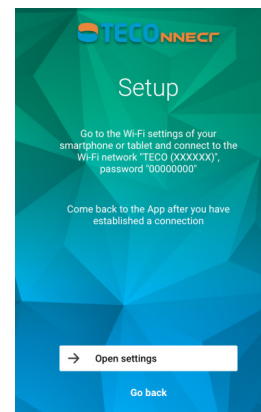
- 2 Press and hold the reset button.
While keeping the reset button held, reconnect the module to its power supply.
Release the reset button once the green & red LEDs flash alternatively.
The TECConnect module is successfully reset.

Reconfigure TECConnect



NOTE: If the module must be reconfigured, e.g. replacing router or modifying WiFi, proceed to the steps below.

- 1 To reconfigure, launch the TECConnect app and select the "Setup" icon from the main menu.



- 2 Next, you will be prompted to setup your TECConnect and chiller.

See **Step 3 of Connecting Your Chiller to the App**, on **page 7**, to proceed in reconfiguring your devices.



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