

EPHUM-I-MAX Wifi controller

- The Ecor Pro EPHUM-I-MAX sensor App puts you in control of the device(s).
Used to control multiple Ecor Pro products. Weekly schedule and real time power data performance.
Ideal for the professional user for Homes or the Workplace.
Monitor and control anywhere.



- 1) Download App on your telephone
- 2) Open App and install the App
- 3) Connect EPHUM-I-Max to your device and switch on
- 4) Pair and control your Dehumidifier with your Mobile Phone on distance.

USER MANUAL •
GEBRAUCHSANWEISUNG •
MODE D'EMPLOI •
MANUAL DEL USUARIO •
GEBRUIKSAANWIJZING •



ECOR **PRO**

UK

DE

FR

ES

NL

EPHUM-I-MAX Wifi Humidistat and Temperature Monitor (for EPXXX RESTO and EPXXX MAX Models)

Low voltage (12V) humidistat for EPXXX RESTO & MAX units. Allows full remote control of the appliance via WiFi link. Uses standard wifi so no data charge provided than lan or dongle internet connection is available to connect to.

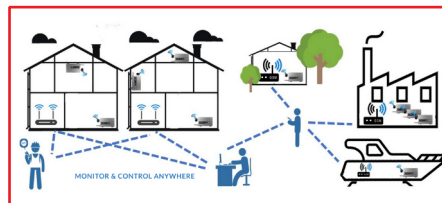
Works **on 2.4 GHz only** together with Apple or Android smartphone with free EPHUM-I-MAX App (See next pages).



Wall mounted or clips can be slotted in to be able to connect to the front grill or on handle bars where fitted.

Small button in white circle.

Note: The biggest difference between 2.4 GHz and 5 GHz also immediately determines which frequency you use when. With 2.4 GHz you have better range and slightly slower internet. That's why it's smart to use 2.4 GHz for your phone. The EPHUM-I-MAX only works on 2.4 GHz.



One Mobile Phone can control hundreds of Ecor Pro appliances using the EPHUM-I-MAX in world locations.

The curly cable comes with two RJ11 connectors. Cable can be extended up to 20'/7m.

Installed in Seconds:

Put one RJ11 connector in the EPHUM-I-MAX and the other one in your dehumidifier. Set the switch on the dehumidifier to extern control (white dot down on the button near the connector). Switch the dehumidifier on and EPHUM-I-MAX is now connected. The display lights up. See the manual of your dehumidifier for the settings and best operation.

Please note there is a 5% tolerance factor built into every dehumidifier. At near 100% RH the humidistat will effectively not turn the humidistat on. At a very low setting the humidistat will effectively turn the dehumidifier on continuously. The humidity percentage relates to the relative humidity level of the air sometimes referred to a RH%.

PUT SENSOR IN WHITE FLASH PAIRING MODE (See next pages).

Connect EPHUM-I-MAX to unit and switch on the power. If no connection to wifi found the EPHUM-I-MAX will flash red. To connect to a new Mobile Phone hold down the small button in the finger recess for 10 seconds and release. A further 10 seconds later the EPHUM-I-MAX will flash white. It is then in pairing mode and can be discovered via the Mobile Phone Smart Life App.

DOWNLOAD AND INSTALL APP

- 1) Download **TUYA Smart Life App** on your mobile telephone
- 2) Open App, agree and sign in, add your details, agree to use your location.
- 3) Connect EPHUM-I-MAX to unit and switch on the power. If no connection to wifi found the EPHUM-I-MAX will flash red.

To connect to a new Mobile Phone hold down the small button in the finger recess for 10 seconds and release.

A further 10 seconds later the EPHUM-I-MAX will flash white. PUT SENSOR IN WHITE FLASH PAIRING MODE. It is then in pairing mode and can be discovered via the Mobile Phone Smart Life App.

Suggest placing Mobile Phone close to the EPHUM-I-MAX for pairing. Discovery may take up to 30 seconds but being close by can take less than 5 seconds.

ADD YOUR WIFI INFORMATION.

Your Wifi connection must be 2.4GHz connection speed. **Check with your router provider how to make a 2.4GHz connection as most routers will be both 5.0 & 2.4GHz. Please note this will be the main reason the EPHUM-I-MAX fails to pair with the Smart Life App at this stage.**

● ADD YOUR ROUTER PASSWORD

This allows the EPHUM-I-MAX to gain access to the router that it will be using for connection to the wifi. The connection takes some time around 1 minute once device is located.

CHANGE ITS NAME

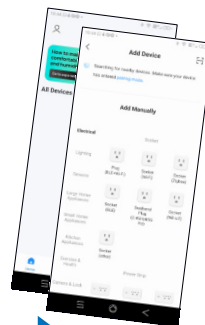
If you have more than one device you can name them to home location, job reference or address the device is in using by clicking on the pencil.

CHANGED NAME NOW OPEN

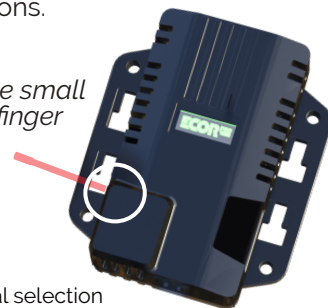
It will take around 15 seconds to open the App. That is because it loads the latest version of the Ecor Pro App and checks connections.

APP NOW READY TO USE

You and your Mobile Phone can now be anywhere in the world with a data signal and the App will control the device linked to EPHUM-I-MAX. One Mobile Phone can control hundreds of Ecor Pro appliances using the EPHUM-I-MAX in world locations.



Hold down the small button in the finger recess for 10 seconds and release.



Rather than a manual selection of the device, easiest is to select first option Add Device.

SAFETY

The EPHUM-I-MAX works on 12V, so safe to use.

UK

OPENING SCREEN

Clicking on the logo will take you to the Ecor Pro website

By clicking on the pencil the device name can be changed

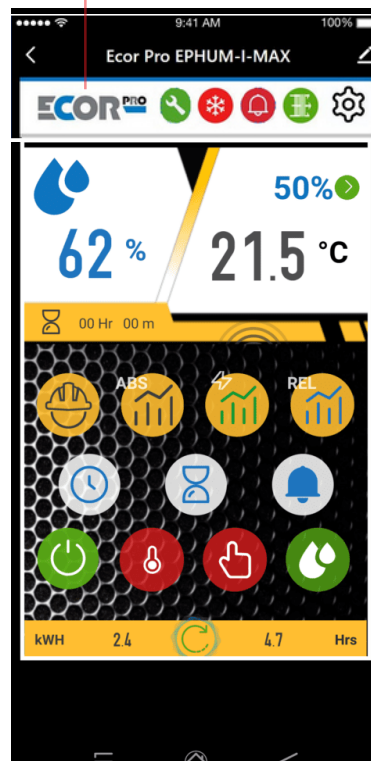
Your phone details on first line
Device name, can be changed by
pencil

Drop indicates humidity control
selected.
Set the humidity level you wish to
achieve down to be pressing the
green dot next to %.

Slide to the desired level and then
press confirm. See next pages.

Showing status of unit on being
controlled by relative humidity
level (RH%).

On/Off. Mode of operation
whether controlled by
temperature, manual or humidity
indicated here.



The cog symbol will take you
to the settings page



Graphic of the
connection to the
unit via wifi.

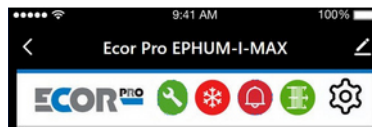
A RED STATUS BAR WILL APPEAR WHEN
INTERNAL TEMPERATURE EXCEEDS 40°C/
104°F. THIS WILL INDICATE A FAULT OF
BLOCKED AIR FLOW OR PROCESS AIR IS
TOO HOT. THE DEHUMIDIFIER WILL
CONTINUE TO RUN IN FAN ONLY UNTIL
THE INTERNAL TEMPERATURE
DECREASES.

OPENING SCREEN (1)

First row. Your standard phone status bar.
Not part of the App.

Device name. By clicking on the pencil the device name can be changed. Unlimited number of devices can be controlled with one phone or linked to computer with specialized serial interface.

Main - TOP



ECOR^{PRO}

Clicking on the logo will take you to the Ecor Pro website



Link to the Ecor Pro Page for trouble shooting faults.
Only appears when an internal device fault causes overheating



Frost warning /
Temperature warning if set green on Settings page.
- Snowflake Red/White if freezing or below.
- Amber if below 5°C/41°F
- Heat Symbol Amber above 35°/95°F
- Red if above 40°C/95°F
- Hidden otherwise
THESE ARE EXTERNAL SENSOR READINGS



Alarm for humidity or temperature warning set on the Settings page.

Either temperature or humidity is too High (Hi) or too Low (Lo)



Filter indicator.. Countdown over 90 days. Can be reset after filter cleaning anytime.
Green/White - filter < 30 days
Green/Grey - filter 30 - 60 days
Red/White - filter needs cleaning > 90 days
TIMER FUNCTION ONLY.
NOT BASED ON AIR FLOW.
DATA HELD INSIDE UNIT



The cog symbol will take you to the settings page

OPENING SCREEN (2)

UK



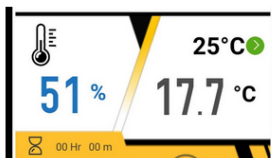
Main - UPPER



Drop indicates humidity control selected. Set the humidity level you wish to achieve down to be pressing the green dot next to %. Slide to the desired level and then press confirm.



Showing status of unit on being controlled by relative humidity level (RH%)



Thermometer indicates temperature control selected. Set the temperature to the level you want to control up to °F/°C (Setting Page selected). Note a dehumidifier will not necessarily produce heat. Used for Ecor Pro heating appliances and selective humidity control. Select level you wish to achieve up to by pressing the green dot next to level. Higher temperature than that selected will turn unit off.



Slide to the desired level and then press Confirm. Status unit on controlled by temperature level.

51 %

Relative Humidity % reading of external sensor. To get a true accuracy put the sensor in the air flow using the clips provided attaching to the outside inlet grill.

EXTERNAL SENSOR READINGS

17.7 °C

Temperature reading of sensor. To get a true accuracy put the sensor in the air flow using the clips provided. Temperature can be in °F/°C by selecting on the settings page.

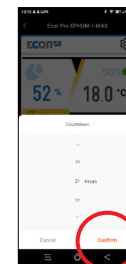
EXTERNAL SENSOR READINGS



Up to 24 Hour count down indicator in hour & minutes. Whole hours can be selected from.



Clicking on countdown button lets you select up to 24 hours of operation before shut down. Unit must be in an ON state prior



Cancel by selecting zero hours and confirm.

OPENING SCREEN (3)

Main - LOWER
First row

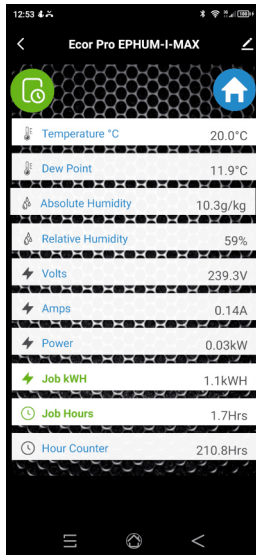


On/Off. Mode of operation whether controlled by temperature, manual or humidity indicated here.

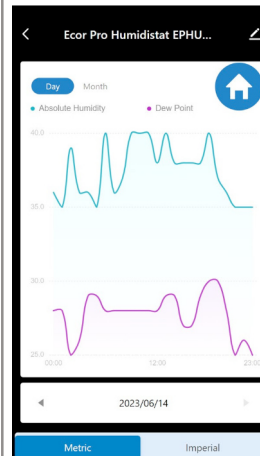


Graph Data is held on the viewing device such as Mobile Phone connected rather than the unit itself.

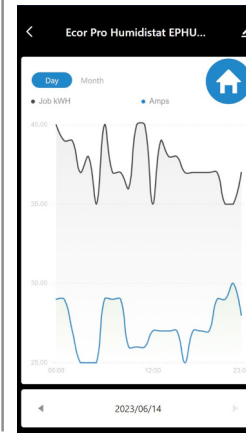
All data page.



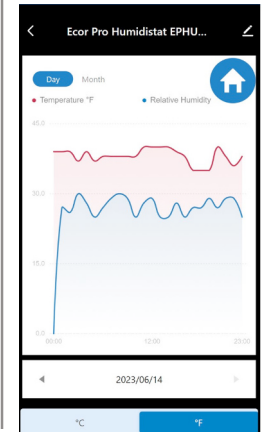
Absolute humidity and dew point graphs over time. In Grains/Pound (if Imperial selected or Grams/Kilogram if Metric Selected.



Job kWH and Amps used graphs



Relative Humidity and Temperature in °F or °C graphs.



Click on the graph lines to get a close up of the data at that point

OPENING SCREEN (3)



Main - LOWER
Second, third and
bottom row



On/Off. Mode of operation
whether controlled by
temperature, manual or
humidity indicated here.



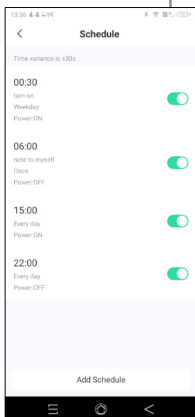
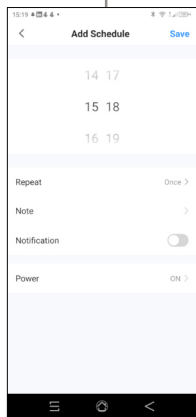
Create multiple timer
events to switch on / off
the appliance which
overwrite other settings.



Up to 24 Hour count down
indicator in hour &
minutes. Whole hours can
be selected from.

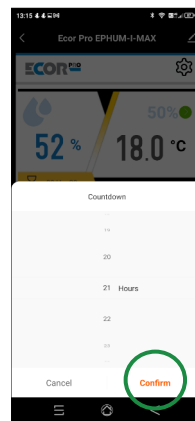


Link to Settings and
Alarm page.



Clicking on countdown
button lets you select up
to 24 hours of operation
before shut down if
already ON.

Cancel by selecting zero
hours and Confirm.



Main - BOTTOM
Last row



Temperature, Manual or
Humidity operation modes.



Unit and app linked but not in
operation.



Continuous fan selected on
App or selected on unit.



Investigate unit air flow and
temperature. Do not ignore!

INTERNAL OVERHEAT

A RED STATUS BAR WILL APPEAR
WHEN INTERNAL TEMPERATURE
EXCEEDS 40°C/104°F.
THIS WILL INDICATE A FAULT OF
BLOCKED AIR FLOW OR PROCESS
AIR IS TOO HOT.
THE DEHUMIDIFIER WILL
CONTINUE TO RUN IN FAN ONLY
UNTIL THE INTERNAL
TEMPERATURE DECREASES.

SETTINGS PAGE (1)

UK

Settings - UPPER



MOVING GRAPHIC MEANS ON AND COMMUNICATION WITH UNIT.



Link to the Tuya management page.

You can pass control of the device to another, rename, remove it or turn off/on notifications.



Frost warning / Temperature warning if set green on Settings page.

Snowflake Red/White if freezing or below.

Amber if below 5°C/ 41°F

Heat Symbol Amber above 35°/95°F

Red if above 40°C/ 95°F

Hidden otherwise

EXTERNAL SENSOR READINGS



Alarm for humidity or temperature warning set on the Settings page.



Filter indicator.. Countdown over 90 days. Can be reset after filter cleaning anytime.

Green/White - filter < 30 days

Green/Grey - filter 30 - 60 days

Red/White - filter needs cleaning > 90 days



The Home symbol will take you to the main page

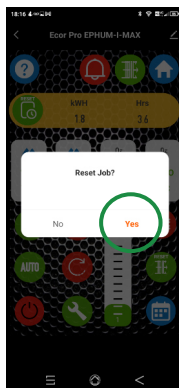
SETTINGS PAGE (2)

Settings - MIDDLE



Reset Job hours and Job kWh (kilo Watt hours)

Resets values to zero on all screens



Input alarm values to warn or high (Hi) Relative Humidity (RH) levels or of low humidity levels (Lo).

This is not related to Absolute Humidity levels & the degree level of Hysteresis



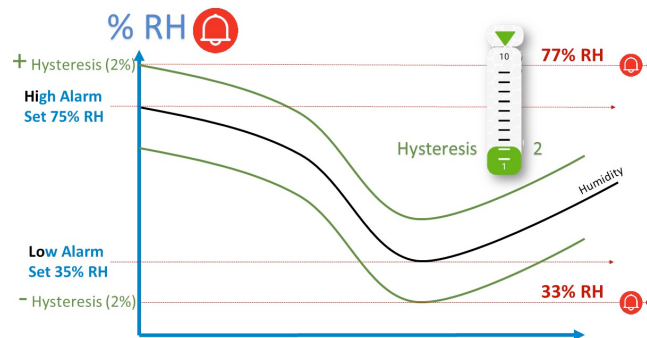
Input alarm values to warn or high (Hi) humidity levels or of low humidity levels (Lo)

Values change if working in °F or °C and the level of Hysteresis will affect.



Hysteresis level selector. Note alarms will turn off when one degree less than the set value is hysteresis is set to Zero.

Same principle applies when working with Temperature control. Values change if working in °F or °C and the level of Hysteresis will affect alarm notifications. Hysteresis is especially useful if Hi & Lo alarms are close to prevent unnecessary notifications.



SETTINGS PAGE (3)

Settings - LOWER



On/Off.
A moving graphic will be seen under the ON/OFF button if the Continuous Fan option has been selected on the unit itself.



Changing units between °C & °F will not only mean temperature units change including Dew Point.

Also Absolute Humidity units will change from Grams per Kilogram of air (°C metric) to Grains per Pound of air (°F imperial).

On Graph pages you can swap still between imperial and metric displays



Hysteresis slider, set between zero and 10. How it influences the workings of the units is dealt with above.



Turn frost alert (and high temperature alert) off and on. Describe in Main Screen guide. Gives warnings on all screens (except graph screens) if temperatures approach freezing or high temperatures to 40°C / 100°F. This is to prevent frost damage (if applicable) and safe running of the unit

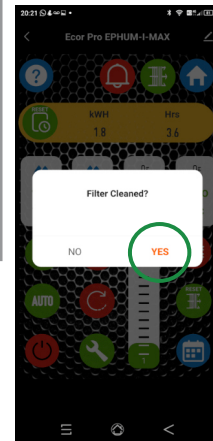


Auto or continuous fan. When first loading the app select a auto or continuous as initial status neither are selected.

Even if unit is turned off (Red) and continuous can be selected on the appliance or app the fan will keep running but there will be no heating or dehumidification.



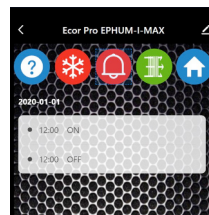
Whenever you clean the filter, the counter is reset here



Link to take you to Ecor Pro fault finding page on www.ecor-pro.com



Historical log of when the appliance has been turned on and off.





End of the period of use

Waste electrical equipment must not be disposed of in normal household waste.

Take this product to your local recycling centre for proper disposal.

EP 2501 02-02-25



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Subject to modifications • Änderungen vorbehalten • Sous réserve de modifications • Sujeto a modificaciones • Wijzigingen voorbehouden..