



The ecometer can be used offline without an internet connection (directly on the product screen), or can be added to a "with Netatmo" connected installation and managed via the Home + Control app.

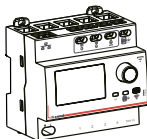
Optional "with Netatmo" starter pack



There is no need to install a "with Netatmo" starter pack to use the connected ecometer via the Home + Control app. However, the ecometer is not a gateway. If you wish to add other "with Netatmo" connected products, you will need to install a starter pack that includes a gateway power module, a gateway power outlet or all other connection interface «with Netatmo».

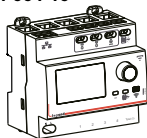
Composition

4 120 32 Connected ecometer



The connected ecometer must be used with measurement coils Cat.No 4 120 08 (5 maximum)

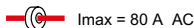
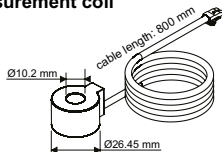
4 120 33 Connected ecometer pack
1 991 19



This pack contains one connected ecometer + Measurement coils (x3)



4 120 08 Measurement coil



⚠ Pay attention to the current direction

EC directive

Complies with the following European directive:

Low-voltage directive (LVD) 2014/35/EU

Electromagnetic compatibility (EMC) no. 2014/30/EU

	U	I_{max}		
-5°C +45°C	100 - 240 V~ 50/60 Hz	80 A	2.4 to 2.4835 GHz < 100 mW	±1% at 63 A

Measurement



Total



Electric heating and air conditioning



Domestic hot water



Sockets



Other (lighting, EV sockets, etc)

+



Gas



Hot water

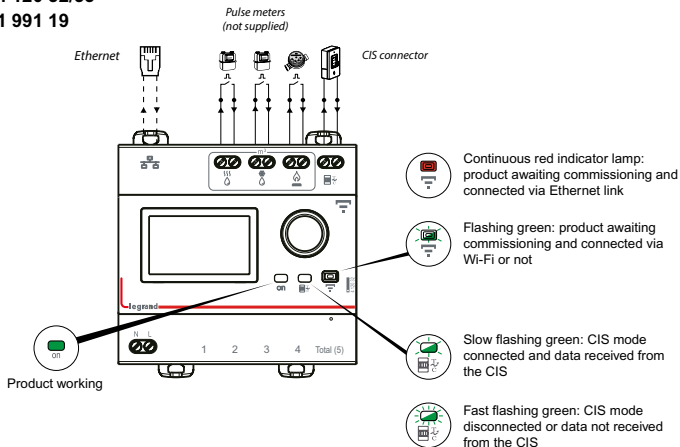


Cold water

Characteristics

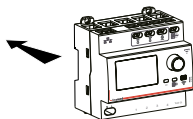
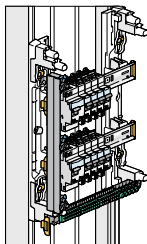
4 120 32/33

1 991 19



Step-by-step installation

- 1 Choose a location for the connected ecometer in the electrical panel



OR



The ecometer is connected on Wi-Fi **or** via an Ethernet cable (RJ 45 cable).

Wi-Fi connection

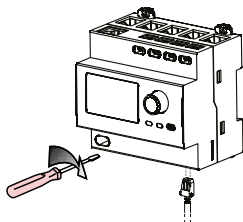
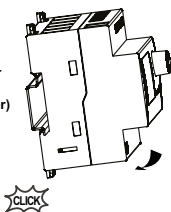
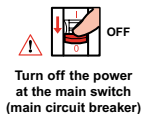
If the home has a router, use a smartphone to check that the Wi-Fi signal is strong enough. If not, try and put the router closer to the electrical panel, add a Wi-Fi repeater or connect the ecometer to your router with an Ethernet cable.

Imperative security precaution



The instructions for installation and use must be strictly observed in order to avoid the risk of electric shock or fire.

② Mounting, wiring



Pulse input
MAX
1x 1.5 mm²
2x 1 mm²

N, L:
MAX
1x 2.5 mm²
1x 1.5 mm²

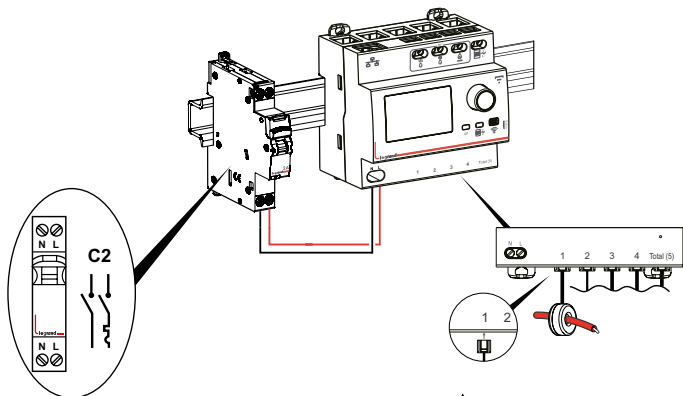
Pulse input
N, L:
MAX: 0.5 Nm

3.5 mm



Protecting the device

The connected ecometer must be protected by a circuit breaker or a fuse rated 2 A.

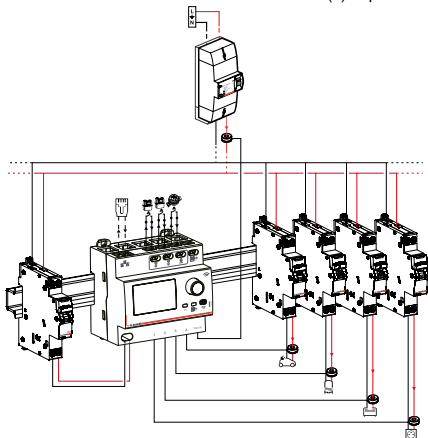


Pay attention to the current direction

An arrow on the coil indicates the correct current direction.

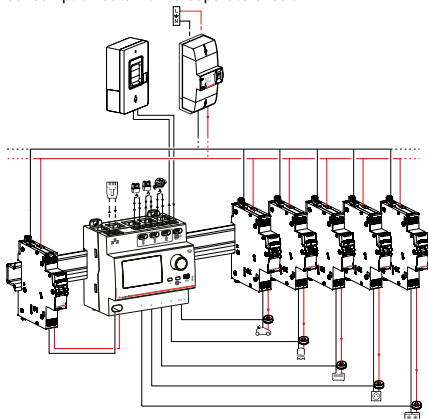
Installation without CIS connection

If the CIS (Customer Information System) is not connected (default scenario): the total consumption measurement will come from the coil connected to the "Total (5)" input.



Installation with CIS connection

If the CIS (Customer Information System) is connected and working: the total consumption measurement will come from the CIS (to be connected). The coil connected to the "Total (5)" input can then feed back consumption data from a separate circuit.



NB : Each input can easily be assigned to a personalised consumer source in the **Home + Control** app.

③ Complete installation in the **Home + Control** app

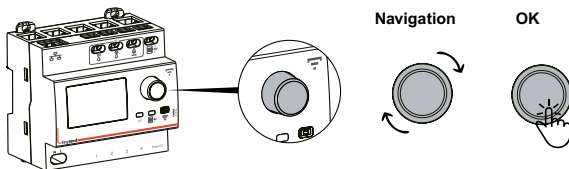
Download the **Home + Control** app.
Create an account and follow the instructions.



NB : If you already have a "with Netatmo" connected installation, simply go to Settings in your **Home + Control** app, "Add device" section.

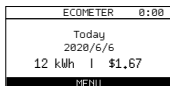
Installing the ecometer offline

If you don't have a smartphone or you don't want to connect your ecometer to the internet, you can install it in offline mode by performing the steps below. You then need to configure the device offline by scrolling through the different screens using the thumbwheel on the front of the device:

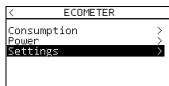


NB : Choosing offline installation will not prevent you adding the ecometer to your connected installation in the Home + Control app at a later date

① Configuring the date and time



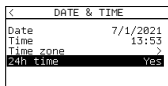
Go to the MENU by clicking on the thumbwheel



"Settings" section



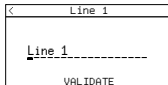
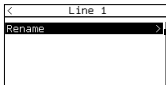
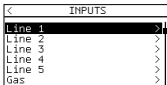
"Date & Time" section



Set the ecometer date and time

② Personalising the inputs

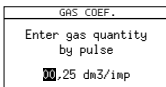
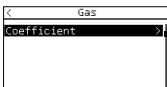
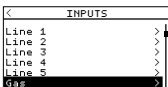
Electricity consumption rows



Go to the "Inputs" section

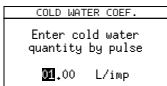
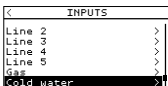
Rename the electricity consumption rows if you wish (rows 1 to 5)

Gas input



Set the pulse coefficient for your gas meter. This information is usually stated on your gas bill.

Hot Water and Cold Water inputs



Set the pulse coefficient for your water meter. This information is usually stated on the water meter valve.

③ Setting the currency and tariffs

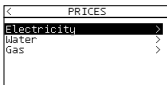
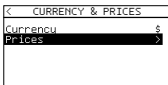


Go to the "Currency and tariffs" section

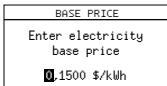
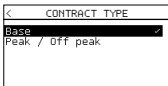


Select the desired currency (\$ or €)

Electricity tariffs



To set your electricity contract tariff, select "Tariffs" then "Electricity".



Set the Base tariff by entering the cost per kWh stated for example on your Electricity contract, on one of your bills or on your energy supplier's online interface.

<	CONTRACT TYPE
Base	>
Peak / Off peak	>

OFF PEAK HOURS PRICE
Electricity price at off peak hours
0.1350 \$/kWh

PEAK HOURS PRICE
Electricity price at peak hours
0.1650 \$/kWh

OFF PEAK RANGES
Ranges count 2
Range 1 >
Range 2 >
VALIDATE

OFF PEAK RANGE
From 00 h 00 AM
To 08 h 00 AM

If you have subscribed to a Peak/Off-Peak contract, the electricity tariff varies according to the time of day. Enter the peak and off-peak tariffs per kWh, then create as many time slots as necessary to fill in the off-peak times for your electricity contract.

This information is usually stated on your contract, on one of your bills or on your energy supplier's online interface.

Water contract tariff

WATER PRICE
Enter the price of 1m ³ of water
0.00 \$/m ³

Enter the cost per m³ of water stated on your contract
(field accessible from the Tariffs menu).

Gas contract tariff

GAS PRICE
Enter the price of 1m ³ of gas
0.00 \$/m ³

Enter the cost per m³ of gas stated on your contract
(field accessible from the Tariffs menu).

④ Your ecometer is ready!

Direct reading on-screen

Home screen



Turn the thumbwheel to select a day

Selected day
Total electricity consumption (kWh) on the selected day

ECOMETER	0:00
Today	
2020/6/6	
12 kWh \$1,67	
MENU	

Total electricity consumption (€) on the selected day

Detailed consumption (per source)

<	ECOMETER
Consumption	>
Power	>
Settings	>

<	CONSUMPTION
Electricity	>
Water	>
Gas	>

<	CONSUMPTION
Line 1	>
Line 2	>
Line 3	>
Line 4	>
Line 5	>
Cold water	>

<	Line 1
Day	>
Month	>
Year	>

View daily, monthly or annual total consumption.

<	Line 1	>
	2021/7/1	
	9,6 kWh	
	\$1,44	
	BACK	

Instantaneous power

<	ECOMETER
Consumption	>
Power	>
Settings	>

	POWER
Totale	22.2 kW
A/C	9 kW
Outlets	3.4 kW
Heating	5 kW
Hot water	4.8 kW
	BACK

Scan your HomeKit code

While installing the iOS mobile app, you will be asked for this code.



Go to the MENU
by clicking on the
thumbwheel

"Settings" section

Section
"Apple HomeKit Code"

Scan your HomeKit code
or manually enter the code
indicated on-screen

NB : The code in this manual does not represent your HomeKit code (graphic for illustration only)

HomeKit

To control this HomeKit-compatible accessory, we recommend using the latest version of iOS or iPadOS. In order to control this HomeKit accessory automatically from outside the home, you need a HomePod, Apple TV or iPad configured as a hub. It is advisable to update to the latest version of both the software and the operating system.

Disclaimer

Where devices bear the Apple HomeKit logo, this means that an electronic accessory has been designed to connect specifically to the iPod, iPhone or iPad, and has been certified by the developer to meet Apple's performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that using this accessory with the iPod, iPhone or iPad may affect wireless performance.

iPhone, iPod and iPad are trademarks of Apple Inc, registered in the United States and other countries.

App Store is a trademark of Apple Inc, registered in the United States and other countries.

HomeKit and iPadOS are trademarks of Apple Inc. iOS is a trademark of Cisco registered in the United States and other countries and used under licence.

Android, Google Play and the Google Play logo are trademarks of Google LLC.

Resetting the ecometer

Via the Home + Control app

To clear your ecometer and restore its factory settings, go to Settings in your **Legrand Home + Control** app, "My Home" section, and delete the device.

In offline mode

If you don't have access to a smartphone, you can reset your ecometer directly on the device by following the steps below:



www.legrand.fr/reference/412032
www.legrand.fr/reference/412033

LEGRAND - Pro & Consumer Service - BP 30076
87002 LIMOGES CEDEX FRANCE • www.legrandgroup.com

SIMPLIFIED EU DECLARATION OF CONFORMITY

The undersigned,

Legrand

declares that the radio equipment referred to in this manual complies with
Directive 2014/53/EU

The full text of the EU declaration of conformity
can be found at the following web address:

www.legrandoc.com