

Watts Vision central unit « WIFI » & Watts Vision central unit



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Может быть помещены на столе с помощью прилагаемого кронштейна и мини USB-питание (0-5) продается отдельно
Интерфейс через интернет (Wi-Fi)
Работа от аккумулятора (только для настройки)
РФ Связь с другими устройствами
Несколько отопление / охлаждение устройства управления.
SD-карта обновление
Интуитивно понятное меню для управления устройствами.

MAIN CHARACTERISTICS

- Touch screen
- Interface via internet (WIFI)
- Wall mountable with power supply 85-265V (50-60)Hz
- Can be placed on the table with supplied bracket and mini USB power supply (0-5V)sold separately
- Battery operation (only for settings)
- RF Communication with other devices
- Multiple heating/cooling devices control.
- SD Card update

Зарядка центральный блок, по крайней мере, один час до спаривания устройств уже смонтирована

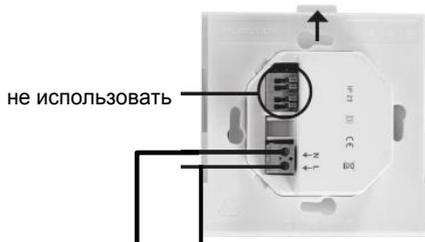
DEVICES compatible with Watts Vision Central unit

		Hydraulic panel heater	Electrical panel heater	Heating	Cooling	Hydraulic floor regulation	Electrical floor	Pilote wire
BT-FR02 RF			X	X		X	X	X
BT-WR02 RF / BT-WR02 HC RF		X	X	X		X	X	
BT-PR02 RF			X	X				
BT-M6Z02 RF		X		X		X		
BT-TH02 RF		X		X				
BT-A02 RF BT-D02 RF BT-DP02 RF		X	X	X		X	X	
REPEAT ER								

- 50 heating master devices (thermostats) and 50 heating slave devices (receivers).
- 25 ON/OFF devices with weekly program with 15 min steps.
- 50 lighting devices (ON/OFF).
- You may have to use a Watts RF repeater if you want to extend the RF range.

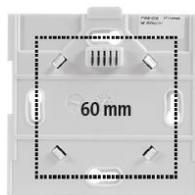
INSTALLATION

1 Подключите питание, как описано ниже



ИСТОЧНИК ПИТАНИЯ 85-265V - 50/60HZ

2 винта закрепляют блок питания на стене.



3 поставьте переключатель на положение ВКЛ



4- Сверху сдвиньте центральный блоке питания и закрепите снизу его. Центральный готов к работе.

б- Установка в таблице



Подключите центральный блок с кабелем (5В, 1А), а затем смонтируйте опору на нее и поставьте переключатель на положение ВКЛ. Центральный блок готов к работе.

GENERAL PICTOGRAMS

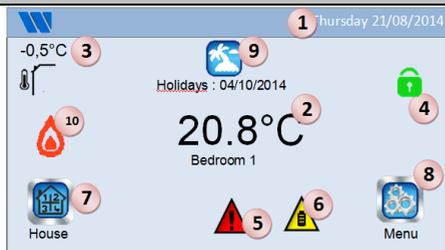


To return to the main screen.

To return to the previous screen.

The buttons with a red point need a long press (min 5s).

MAIN SCREEN



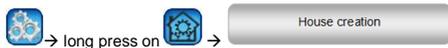
- 1- Date.
- 2- Display the hour or the ambient T° of the room or zone. Make your choice by pressing on the central part of the screen
- 3- Outside sensor temperature.
- 4- Screen lock. A long press toggles between locking and unlocking.
- 5- Error flag for the system (RF, limits, alarms, battery anomalies...). Access to the list by pressing on this icon.
- 6- The device is working on battery (! only for settings and pairing).
- 7- Rooms access (active even if the Central is locked to see but not to change settings).
- 8- Main menu.
- 9- Holidays mode status.
- 10- Boiler status displayed if connected to the Central.

HOUR SETTING

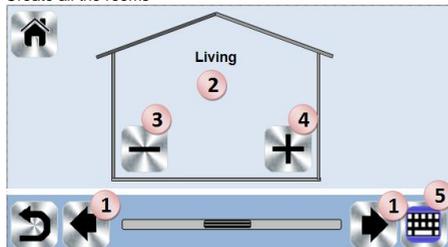


Set the hour and the date. Then press on or .

HOUSE CREATION



Create all the rooms



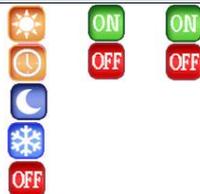
1. Room changing.
2. Current room name.
3. To delete a room (zone).
4. To create or add a room (zone).
5. To change current room (zone) name.

MAIN MENU

Press to go to main menu



- 1- Consumption statistics menu.
- 2- Language (the flag of the current language is displayed).
- 3- General commands menu.
Use this menu to put all the same devices type in the same operating mode.



- a- To select the heating devices mode for all the installation.
- b- To select the ON/OFF devices mode for all the installation.
- c- To select the lighting devices mode for all the installation.
- d- To validate the selections.

- 4- Heating/cooling mode management menu.
(Not available yet)

- 5- User settings menu.
In this menu, you can set:
 - Hour, Date.
 - Summer-Winter (Manual, Automatic).
 - Temperature unit (°C, °F).
 - Background Color.
 - Buttons color
 - Backlight
 - Screen saver (Enabled, Disabled).
 - Screen cleaner.
 - Factory default user.

6- WIFI status.

 WIFI settings reading button (refreshment).

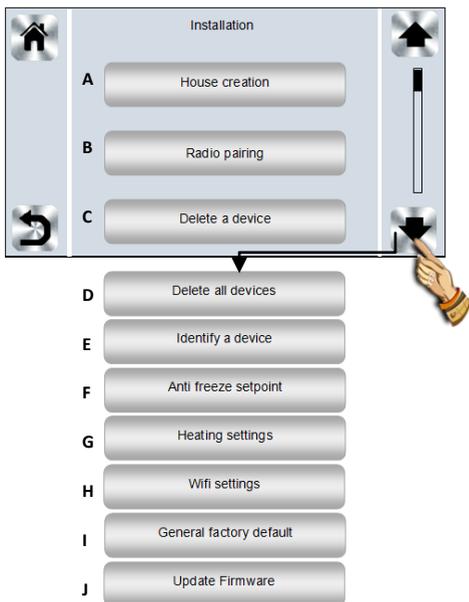
The Internet Access password allows to link your central unit to your Internet account (See below) for a remote control of your system through the Internet or Smart Phone.

n.b.: At first use or software update, wait for some time until the green State icon is active.

7- Holidays menu.

- To set the departure/return dates and hours.
- Use < or > to select year/month/day, hour & minute.
- Set and valid the operating mode of the devices in holiday mode. (Same menu than general menu).

8- Installation menu (long press 3-4 s)



- A. House creation.
- B. Radio pairing.
- C. Delete a device:
Select device type and then the device.
- D. Delete all devices:
All devices installed in the system will be deleted (rooms will be maintained).
- E. Identify a device
To identify a device of the installation



a- To put the menu in reception mode.

b- To access to the device parameters.

Process :

- Press on 'a' to make the Central listening
- Press on the device receiver and wait a few seconds until radio communication frame is transmitted.

Note: ID-number is displayed on the screen, please repeat to be sure to have the same ID.

- Long press on  to change device name, power.

F. Antifreeze setpoint:

You can set the antifreeze setpoint as reference for the whole installation.

G. Heating settings:

You can fix setpoint limitations (min/max) per zone and the offset assigned to devices working in floor sensor regulation.

H. WIFI settings:

To set the WIFI configurations (SSID/Protected Access Key Type/ Password). You can do it manually or scan the active networks.

n.b.: The connection to Internet is recommended with Certified WiFi routers (<http://www.wi-fi.org/certification>).

n.b.: Automatic pairing time to WiFi router with WEP key: 3-4 min, with WPA2 key: 1 min.

I. General factory default:

To reset the system with the factory values, but the software version will remain the same.

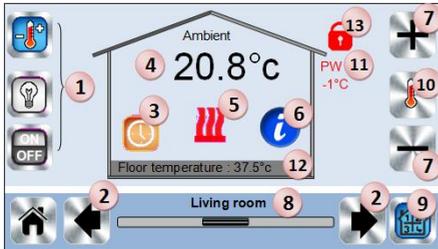
J. Update Firmware:

To update the software, with the SD-card. The system is qualified to work with SD-cards less than or equal to 16GB. Select to proceed.

The SW and the procedure to update the central unit is available on: <http://www.wattselectronics.com/>

HEATING DEVICES MANAGEMENT

Press on  in the main screen and after selecting the room, on 



1. Device type choice (heating, lighting, On/Off). These buttons are only displayed if one device type is installed in the room (colored if active).
2. Room changing.
3. Current mode, press on this icon to enter in the menu where you can change the current operating mode.
4. Ambient temperature or setting temperature (setpoint) after one press on 10.
5. Heating indicator (animated if heating).
6. Information about the heating devices installed in the room.
7. Set the current setpoint (deactivated if the screen is locked).
8. Current room name.
9. Quick access to the desired room.
10. To display either the ambient or setting temperature in 4.
11. Pilot wire status.
12. Floor temperature if floor regulation.
13. Only displayed if the screen is locked.

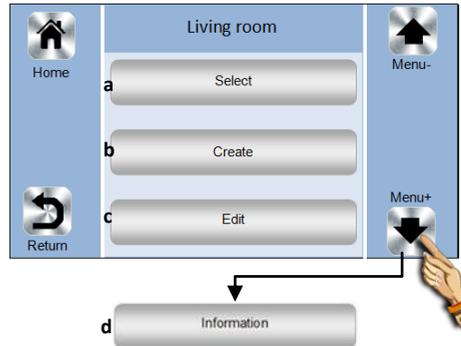
Press on « 3 » in the previous menu to access this modes menu.



- **Comfort Mode**  : Set the room in comfort mode. If it remains active, the comfort temperature will be followed all the time.
- **Reduced Mode**  : Set the room in reduced mode. If it remains active, the reduced temperature will be followed all the time.
- **Timer or Boost Mode**  : Temporary derogation. Set the timer duration (days, hours, minutes) by pressing on  button, then validate and set the desired temperature on main screen.
- **Anti freeze Mode**  : Use this mode to put your room in anti-freeze mode (the temperature is set in the Installation menu)

- **OFF Mode**  : To switch OFF the room heating. Be careful! In this mode, your installation can freeze!
- **Auto Mode**  : In this mode, the room temperature will follow the program you have chosen. You can choose between existing programs or you can create a new one that you can modify as you want.

Press on  to select between :



a- Select: To select an existing program.

b- Create: To create a new program.



Select the days for which you want the same program (in the example, Wednesday, Thursday and Friday).

Use the Comfort button  to select the hourly ranges during which the comfort temperature will be followed (brown range)

and the reduced button  to select the hourly ranges during which the reduced temperature will be followed (blue range).

Use the arrows  and  to put the cursor on the desired hours.

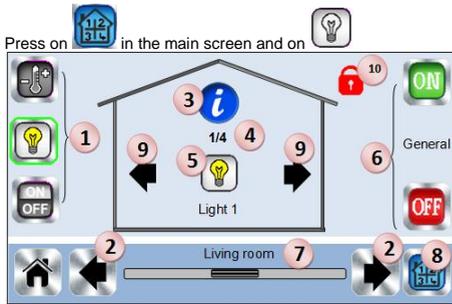
Validate the program; the validated days are then highlighted in green (on this example: Monday and Tuesday). The days that are not programmed are displayed in red.

c- Edit: To view and modify an existing program

d- Information: to view the current program

- P1:** morning, evening & weekend.
- P2:** morning, midday, evening & weekend.
- P3:** day & weekend.
- P4:** evening & weekend.
- P5:** morning, evening (bathroom).

LIGHTING DEVICES MANAGEMENT



1. Device type choice (heating, lighting, On/Off). These buttons are only displayed if one device type is installed in the room (colored if active).
2. Room changing.
3. Information about the lighting devices installed in the room.
4. Indicates both the current lighting device number / the number of lighting devices in the room.
5. Indicates the lighting status. A press on it switches the lighting status.
6. General management for all lighting in the room.
7. Current room.
8. Quick access to the desired room.
9. Only displayed if the number of devices is upper than 1; used to select the devices in the room.
10. Only displayed if the screen is locked.

ON/OFF DEVICES MANAGEMENT



1. Device type choice (heating, lighting, On/Off). These buttons are only displayed if one device type is installed in the room (colored if active).
2. Room changing.
3. Information about the device.
4. Indicates both the number of the current device / number of devices in the room.
5. Indicates the ON/OFF status. A press on it switches the status of the device.
6. General management for all the ON/OFF devices in the room.
7. Current room.
8. Quick access to the desired room.
9. Only displayed if the number of devices is upper than 1; used to select the devices in the room.
10. Long press to switch between auto mode and normal mode (colored if active).
11. Displayed only if the device is in Auto mode, press to access and edit the device program.
12. Only displayed if the screen is locked.

PAIRING

- Create the room if it doesn't exist
House creation



- Radio pairing

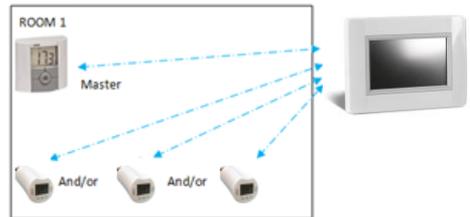


- Choose the device type (heating)
 - Choose the room
- Note: The master must be the first paired device.
- Put the device in pairing mode (refer to device leaflet)

- Start the pairing on the Central 
- Follow the instructions given by the Central (check on the device that the pairing is successful, refer to the device leaflet)
- n.b.: Automatic pairing time in case of RF communication loss: 10s.

INSTALLATION TYPES (HEATING)

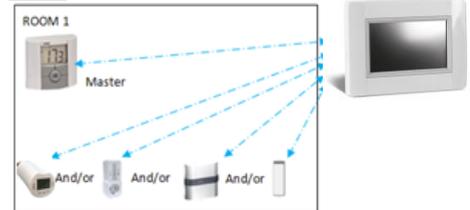
Type 1 :



In this configuration:

- Pair first the thermostat with the Central before pairing the other devices.
- The actuators regulate on thermostat temperature.

Type 2 :

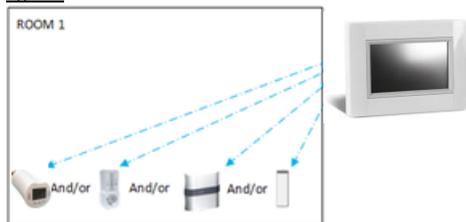


In this configuration:

- Pair first the thermostat with the Central before pairing the other devices.
- The other devices regulate on thermostat temperature.

Warning! In this installation type, the BT (MASTER) must be in regulation Air mode (not floor or Air + Floor)

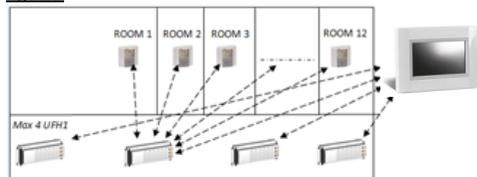
Type 3 :



In this configuration :

- ⇒ The flush is inevitably in floor regulation because there is no thermostat in the room.
- ⇒ Radiator receiver only paired as Heating device.
- ⇒ BT-WR, BT-PR, BT-FR can be configured as a plug or lighting devices.

Type 4 :



In this configuration:

- ⇒ Each UFH 1 is paired with the Central and the thermostats are paired with UFH.
- ⇒ During the pairing, the Central create automatically rooms according to the number of thermostats (rooms) of UFH 1. Default names are given to the rooms. You can modify them in the menu "House creation" (you can identify these rooms with different setting temperatures)

TECHNICAL CHARACTERISTICS

Operating temperature, connected.	-30°C to +40°C
Operating temperature, battery	0°C to +40°C
Shipping and storage temperature	-30°C to +50°C
Electrical Protection	IP30
Electrical insulation	Class II
Temperature precision	0.1°C
Setting Temperature Range	
- Comfort	5°C to 30°C in 0.5°C steps
- Reduced	5°C to 30°C in 0.5°C steps
- Anti-freeze	5°C to 10°C
Power Supply	85-265V 50-60 Hz
Radio Frequency	868 MHz, <10mW.
Software version	User interface: Shown on the main menu V xxx Wifi communication: Shown on the wifi menu V xxx
CE Directives:	R&TTE 1999/5/EC
Your product has been designed in conformity with the European Directives.	LVD 2006/95/EC EMC 2004/108/EC RoHS 2011/65/EU
SD card	<=16GB (FAT)
WIFI	802.11b – 2.4GHz 802.11g – 5GHz / 2.4GHz

REMOTE CONTROL

You need to connect the central unit to Wifi: See Wifi setting above.

Make sure that the central is connected to the wifi network with an IP address (See WiFi status above) otherwise you need to connect the central unit to WiFi.

Connect to the web pages to drive your central unit:

<http://www.wattselectronics.com/>

Or download Watts Vision application from App store or Google store on your Smart Phone.

Create an account.

Validate your email.

Request a pairing code to link your central unit to your account.

The pairing code (valid 24h) is sent to your mail box.

In the wifi status menu of the central unit, enter the pairing code.

Your central unit should appear after a few minutes in the application or the web page. You can then drive your central unit from everywhere.