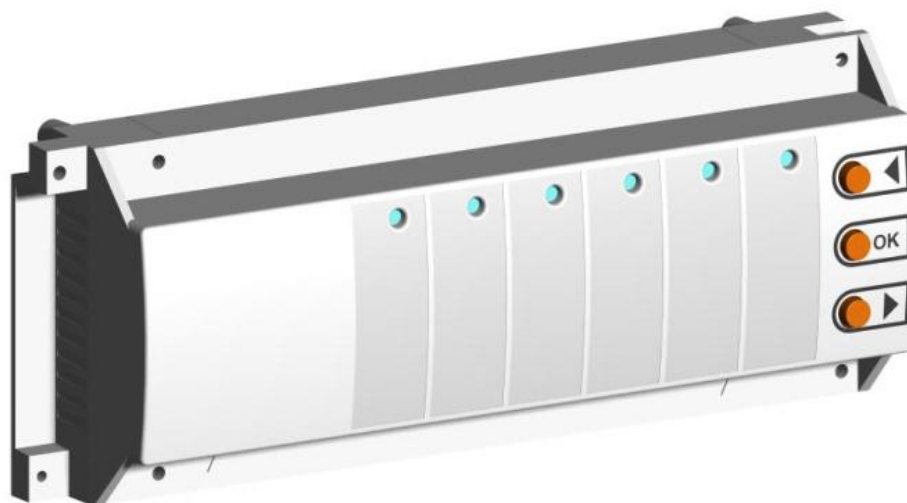


# WFHC MASTER RF 6 Zones 868MHz & SLAVE RF 4 or 6 Zones



<b>USER GUIDE</b>	<b>GB</b>
<i>WFHC MASTER RF 6 Zones &amp; SLAVE RF 4 or 6 Zones 868MHz</i>	4-7
<b>GUIDE UTILISATEUR</b>	<b>F</b>
<i>WFHC MASTER RF 6 Zones &amp; SLAVE RF 4 or 6 Zones 868MHz</i>	8-11
<b>MONTAGE ANLEITUNG</b>	<b>D</b>
<i>BT-RF MASTER 6 Zonen &amp; SLAVE RF 4 / 6 Zonen 868MHz</i>	12-15
<b>HANDLEIDING</b>	<b>NI</b>
<i>WFHC MASTER RF 6 Zones &amp; UITBREIDING 4 of 6 Zones 868MHz</i>	16-19
<b>INSTRUKCJA UŻYTKOWANIA</b>	<b>PI</b>
<i>WFHC Listwa MASTER RF 6 Stref 868MHz</i>	20-23
<b>MANUALUL UTILIZATORULUI</b>	<b>Ro</b>
<i>WFHC MASTER RF 6 Zone &amp; SLAVE RF 4 sau 6 Zone 868MHz</i>	24-27
<b>MONTERINGSANVISNING</b>	<b>S</b>
<i>WFHC Trådlös kopplingsbox 6 uttag &amp; Slavmodul med 4 eller 6 uttag 868MHz</i>	28-31
<b>РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ</b>	<b>RU</b>
<i>Радиомодуль основной (Master) на 6 зон ( 6 канальный )</i>	32-35
<b>NÁVOD NA OBSLUHU</b>	<b>SK</b>
<i>WFHC MASTER RF 6 zón 868MHz &amp; SLAVE RF 4 alebo 6 zón</i>	36-39
<b>HASZNÁLATI UTASÍTÁS</b>	<b>H</b>
<i>RÁDIÓFREKVENCIÁS SZABÁLYZÓ FŐEGYSÉG 6 ZÓNÁS 868MHz</i>	40-43

# 1. USER GUIDE

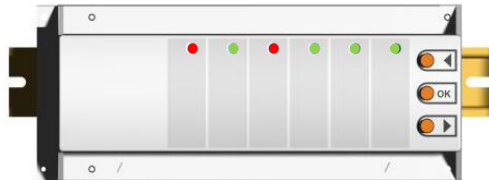
## WFHC MASTER RF 6 Zones & SLAVE RF 4 or 6 Zones

Wireless (RF 868MHz) connecting boxes specially designed to control your Under Floor Heating managed by Normally Closed actuators.  
 Possibility to extend easily the number of zones up to 12, with the slave modules.  
 Work in combination with our RF thermostat range (Digital and Basic)

# 2. TECHNICAL CHARACTERISTICS

<b>Operating Temperature</b>	0°C to 50°C
<b>Regulation characteristics</b>	Proportional Integral regulation with: 15 minutes cycle for 2°C. Anti-short cycle: 3 minutes OFF, 2 minutes ON
<b>Supply Voltage</b>	230VAC +- 10% 50Hz
<b>Outputs:</b>	
<b>Pump or accessories</b>	Relay => 5A / 250VAC (Free contact)
<b>Actuators (Normally closed)</b>	Relay => 5A / 230 VAC ( L, N) For easy installation we recommend a maximum of 4 actuators by zones.
<b>Radio Frequency</b>	868, 3 MHz, <10mW. Range of approximately 180 meters in open space. Range of approximately 50 meters in residential environment.
<b>Certifications</b>	EN 300220-1, -2 EN 301489-1, -3
<b>Protection</b>	IP 30
<b>Combination</b>	10 Zones => 1 Master 6 + 1 Slave 4 zones 12 Zones => 1 Master 6 + 1 Slave 6 zones

# 3. LED EXPLANATION



### In normal working mode:

**Green Flash:**

RF signal reception from the thermostat assigned on this zone.

**Red:**

Heating demand indicator (Water circulation on this zone)

**Red Blinking:**

RF alarm, the communication between thermostat and the Master has been lost.

Check the thermostat batteries. (When batteries thermostat must be changed, always replace the 2 batteries)

\* If all zones are Red blinking check the RF antenna connection before replacing of all thermostat batteries.

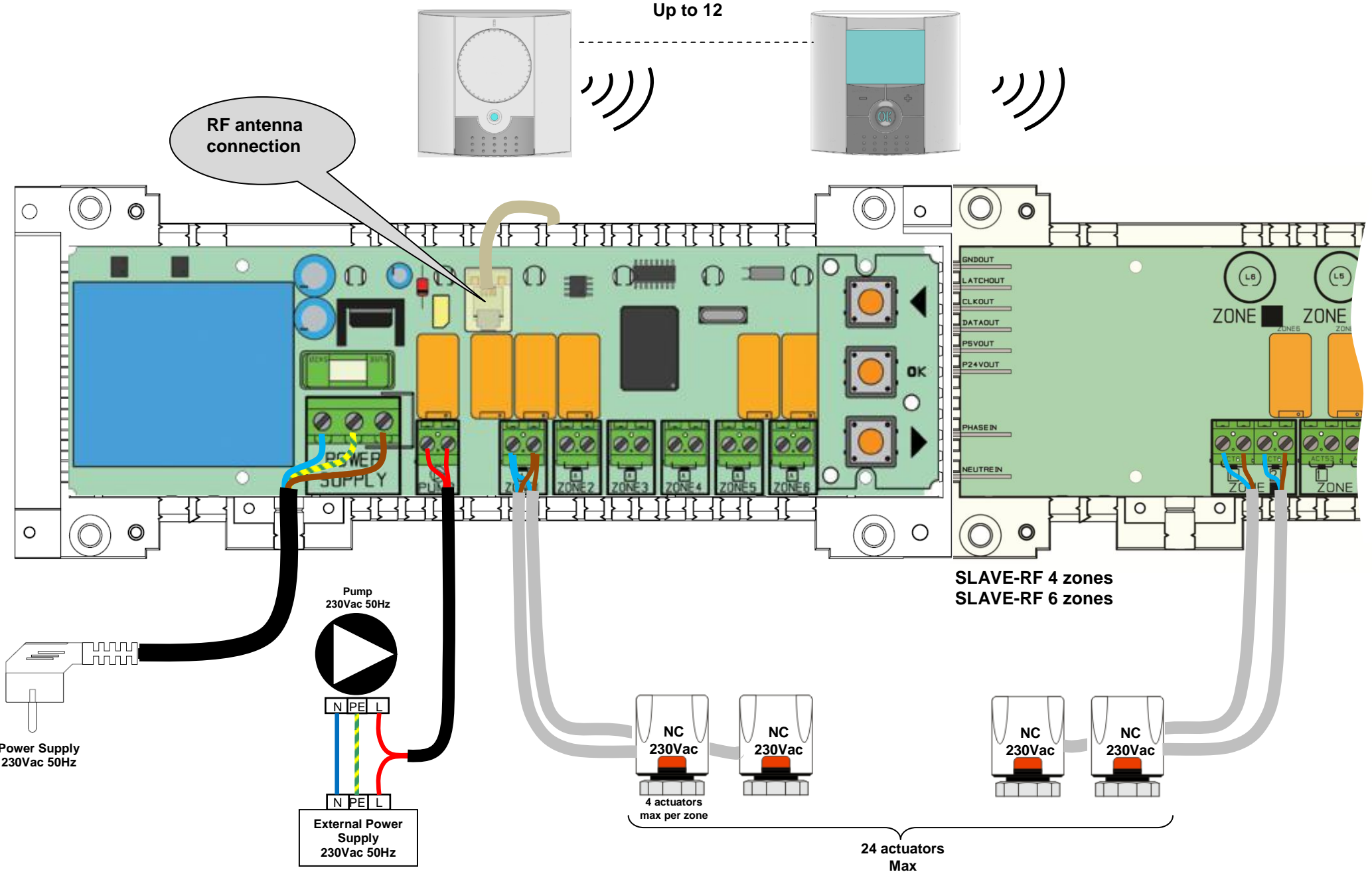
# 4. POSSIBLE COMBINATIONS WITH SLAVE MODULES



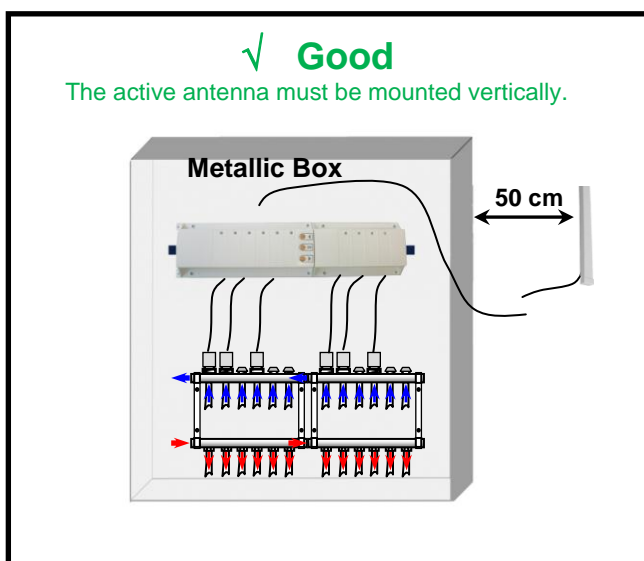
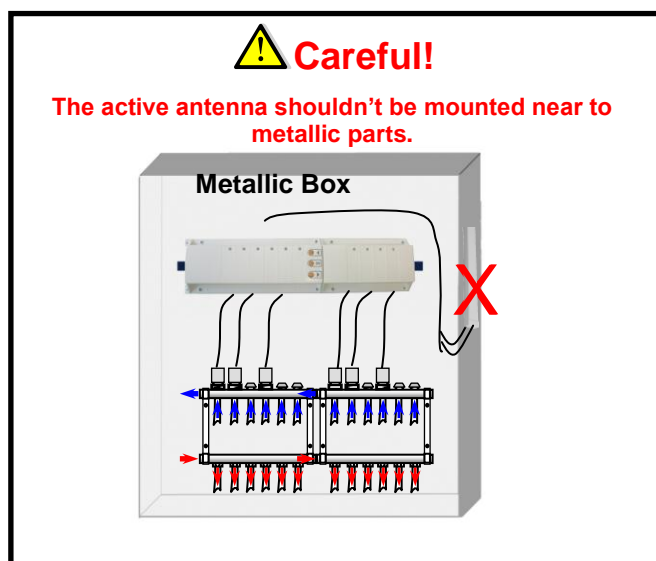
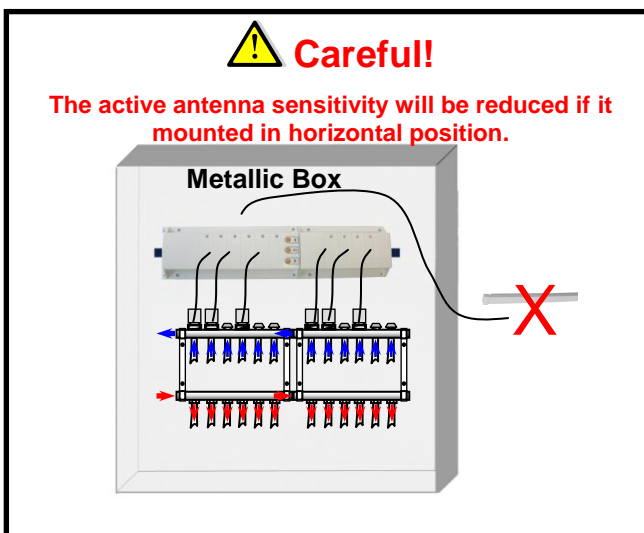
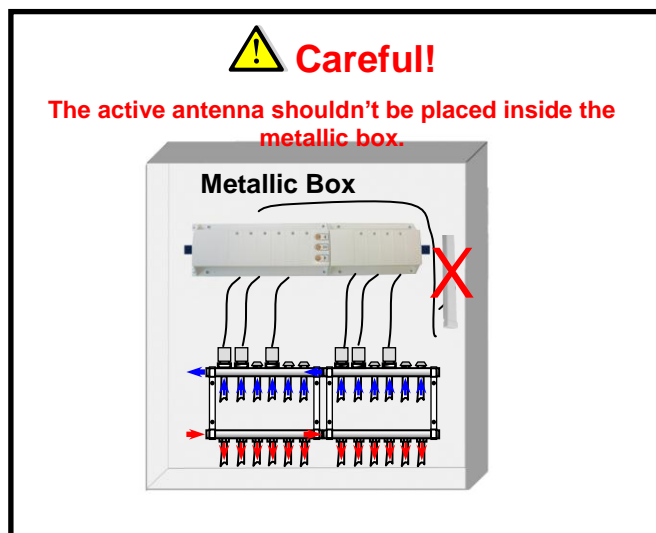
# 5. WIRING ASSEMBLY DIAGRAM

Up to 12

RF antenna connection



## 6. HOW TO INSTALL CORRECTLY YOUR RF SYSTEM



\* For maximum radio sensibility, the active antenna must be placed at a minimum of 0.50 cm of any metallic surfaces (Electrical Box) or vertical metallic pipes.

## 7. RF INITIALIZATION (Assign RF Thermostats to zones)

To enter RF Initialization Mode, press the **(OK)** during 5 s, then the green LED blinking cursor must appear (The LED 1 must be blink in green).

### **Note:**

If it's the first "RF initialization" all the other LED must be off.

If a "RF initialization" has already made, the zones already assigned must be shine in green fixed.

1. Use **(◀)** or **(▶)** keys to change the zone, the green LED blinking cursor move in a same way.
  - With **(OK)** key you can select or de-select the zone(s) which must be learned with a thermostat. The corresponding LED of the selected zone(s) must be shine in red to indicate that this zone(s) is in wait of thermostat signal.
2. When you have correctly selected the zones which must be assigned with a RF thermostat go to the thermostat and activate the "rF init" mode. (See the corresponding leaflet of the RF thermostat to do this).
3. Now the thermostat will send the learning message to the MASTER-RF, Check the good reception on the MASTER-RF,
  - The LED previously selected (in RED) must now shine in green to indicate that the zones are correctly configured with the thermostat.
  - You can now switch off the thermostat to avoid perturbation during the installation of the other thermostats.

4. You could now repeat the step 1 to 3 to learn others thermostats. (don't forgot to switch off the thermostat when the learning is finished to avoid perturbation during the others learning)
5. When you have finished the installation of all thermostats with your Master-RF, press 5 seconds on the **(OK)** key to exit the install menu.
6. On the main menu you can see the group zone (zones which been assigned with the same thermostat) by pressing the (**◀**) or (**▶**), the LED which blinks in the same time will works in the same way.

## **8. SPECIALES FUNCTIONS**

### **Pump Delay**

To avoid pump damage and noise in hydraulic circuit (Water flow in the pipe) the start-up of the pump will be delayed for 1 minute after a heating demand from the zone thermostats. This time will permit to jump the opening time of the thermal actuators.

### **Erase thermostat function:**

With this function you could remove one or several thermostats of your installation.

Once on the "RF init" menu, choose the zone which must be removed with the blinking cursor and press 5 seconds in the same time the (**◀**) or (**▶**) keys. Then the LED(s) of the zone(s) which worked with the thermostat will be removed.

### **Factory settings function:**

Use this function to erase all configurations and download the factory settings.

Once on the "RF init" menu, press in the same time during 5 seconds the tree keys (**◀**), (**OK**) and (**▶**). Release the keys only when all LED are blank, after few seconds all LED must be flash in green. Then the product has been reset.

## **9. PERSONNAL NOTE**

<b>Zone number</b>	<b>Thermostat (type, number...)</b>	<b>Room</b>	<b>Information</b>
<b>Zone 1</b>			
<b>Zone 2</b>			
<b>Zone 3</b>			
<b>Zone 4</b>			
<b>Zone 5</b>			
<b>Zone 6</b>			
<b>Zone 7</b>			
<b>Zone 8</b>			
<b>Zone 9</b>			
<b>Zone 10</b>			
<b>Zone 11</b>			
<b>Zone 12</b>			