



# Creating a Heat Demand Program in HomeMatic WebUI

**Programming Instructions** 

- 1. Installation
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### 1. Installation

To create a control that turns on a switch actuator when heating is required, you will need the following:

- One HomeMatic CCU2 (s.k.u. EHC-HM01);
- One HomeMatic Differential Temperature Sensor (s.k.u. EHC-HM06);
- One HomeMatic Wireless 4 Channel Switch (s.k.u. EHC-HM07).

Connect the sensors 1 and 2 of the Differential Temperature Sensor to the Flow and Return pipes of your boiler:



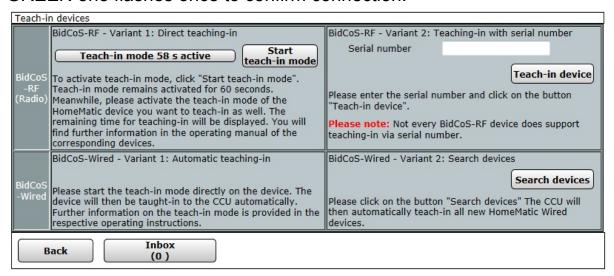
Then, connect the HomeMatic Wireless 4 Channel Switch to your boiler and, if needed, recirculation pump. You can connect the Switch 1 to replace the old room thermostat connectors – if in doubt, please seek professional advice from a qualified electrician.

## 2. Teach-In the devices (registering them with the CCU2)

First insert the batteries into the Differential Temperature Sensor housing. The sensor goes through a self-check process, during which the control LED flashed RED, then GREEN, then RED & YELLOW, then turns off. Once the light is off, the sensors are on-line.

Note: if problems are detected, the RED led will flash regularly.

Now you are ready to start the teach-in process: press Teach-In button in the Web GUI, then shortly press the sensor button: the RED & YELLOW LEDs flash quickly until connection is established, then the GREEN one flashes once to confirm connection.



Go to your inbox, where you will find the device (note RF id as per the device box) – press done and the device is ready for use:



Repeat the same with the Wireless 4 Channel Switch.

## 3. Teach-Out the devices (deregistering them with the CCU2)

In the event you need to deregister a device, proceed as follows: in WebUI, go to the device and press the "Delete" button - you will get a window like

this:

Press the Delete button, and then briefly press the button of the device: the RED & YELLOW will flash quickly, then the GREEN one will flash once to confirm deletion. The device is now deleted from your system.

Delete a	nd reset device	
	Do you really wa WDS30-OT2-SM	ant to delete the device 'HM- KEQ0102484'?
Delete (	options	
Tea	ch-out device	▼
	device will be delet ct connections will t	ed from the HomeMatic CCU. be kept.
	Cancel	Delete

### 4. Devices' functions

The Differential Temperature Sensor has the following channels / functions available:

- a. Temperature of sensor 1 (for example: 58.80\*C);
- b. Temperature of sensor 2 (for example: 47.30\*C);
- c. Differential temperature 1 -2 (for example: 11.50\*C);
- d. Differential temperature 2 -1 (for example: -11.50\*C);
- e. Device Interface (used by the system).



Note: the sensors will constantly show the actual temperature of their placement.

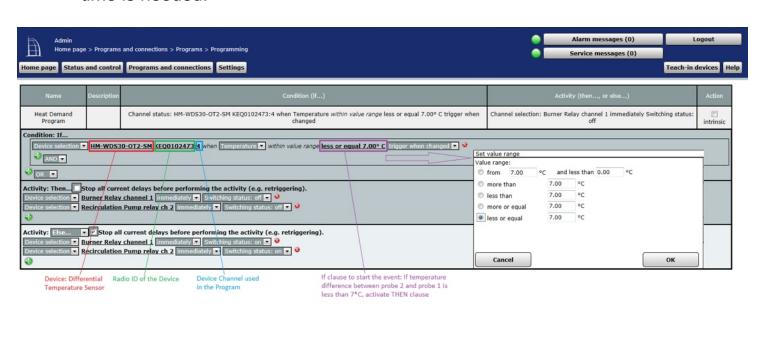
The Wireless 4 Channel Switch has four channels available for switching ON / OFF:



## 5. Creating the Heat Demand Program in WebUI

Now you are ready to create the Heat Demand Program. Press button Programs and Connections → Programs and CCU Connections and make the following settings:

- In the IF section, when Differential Temperature Sensor channel 3 goes to your desired value (several selections available);
- In the THEN section, select the action for the Wireless 4 Channel Switch channels 1 and 2 in our case, if return temperature is within 7\*C from the flow temperature, switch off burner and pump (i.e. no demand, water returns to boiler with same value as it left).
- In the ELSE section, select the action for the Wireless 4 Channel Switch channels 1 and 2 in our case, if return temperature is within 7\*C from the flow temperature, switch on burner and pump (i.e. there is significant drop in temperature so there is heating demand).
- Save your work by pressing OK. You can edit the program at a later time is needed.



Save settings as new program Test script

Cancel