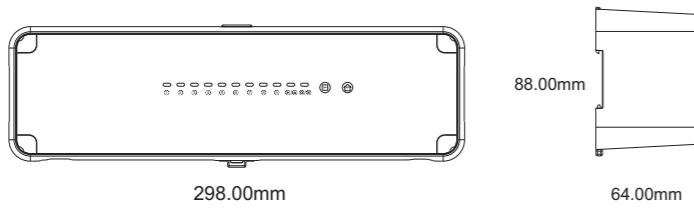


H128-CC | Zone control

Installation instructions

Specifications:

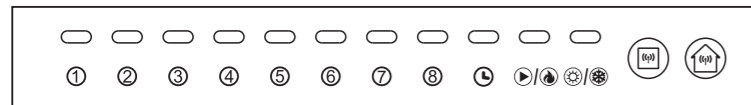
Power source: 150-250VAC 50/60Hz
 Maximum current: 10A
 Load current output: 250VAC 8(5)A
 Operating temperature: 0oC~50oC, 0-80%RH
 Storage temperature: -10oC~60oC, 0-90%RH
 Dimensions: 298mm x 88mm x 64mm



Features:

- This Central Controller (CC) can control up to 8 zones.
- Supports up to 64 actuators, with a maximum of 10 actuators per zone.
- Contains outputs for switching thermal actuator, boiler, pump and zone actuators.
- Indication LEDs show the status of the outputs.
- Suitable for cooling and heating
- Cascade-link wired or wireless up to 7 slave CCs max (wireless is optional)
- Note RF antenna hang clear of obstructions.

LED display:



- ①~⑧ Indicates zone status. Red is heating, Blue is cooling.
- Ⓛ Indicates hot water output.
- ▶/Ⓛ Red means heating or cooling output is active
Blue means pump output is active
Magenta means both outputs are active
- Ⓛ/Ⓛ Indicates Cool/Warm mode. Red is heating, Blue is cooling
- Ⓜ Push button
- Ⓢ Push button

Dip switch settings:

- Zone 1-Zone 8:** Zones that should not be cooled, such as bathroom, can be turned off here. ON means allow cooling, OFF means do not allow cooling.
- Assign address:** This Function is intended for the Cascade system. a total of 7 CCs can be linked as slave CCs. If your slave CC is address 1 then set the dip switch to position 1. If the slave CC is address 5, set the dip switch to positions 1 and 4. If the slave-cc has the address 7, set the dip switch to positions 1,2 and 4. *The master CC always has address 0.
- Pump control:** In a cascade system, where several CCs work together, the control of pumps can be set up in different ways. Only to be set up on slave CCs! 'M' means one pump for entire system, pump control connect to master CC. this setting is used for open manifold with heat pump. 'S' means several pumps. This setting is used for distributor with pump.
- Boiler & pump delay:** Boiler and pump delayed activation. '0' means that the boiler, pump and actuators are switched on at the same time. '3' means that the actuator is opened first and the boiler and pump are only switched on after 3 minutes.
- Cascade link:** Here you can set whether current CC is master or slave-cc. 'M' means master-cc, 'S' means slave-cc. Only 1 CC can be master-cc.
- Thermostat control:** Changeover between cooling and heating can be controlled by the H128-T thermostat or an external device. 'ON' means that the heat or cooling mode is controlled by the H128-T thermostat, with the 1st thermostat on the 1st CC becoming the master thermostat. 'OFF' means that the heat or cooling mode is controlled by an external device, e.g. by a heat pump.
- System:** Select 'H' when heating only. Select 'H/C' when heating and cooling.

Dip switch settings:
= factory setting

Zone 1	OFF	ON
Zone 2	OFF	ON
Zone 3	OFF	ON
Zone 4	OFF	ON
Zone 5	OFF	ON
Zone 6	OFF	ON
Zone 7	OFF	ON
Zone 8	OFF	ON
Address	0	1
Address	0	2
Address	0	4
Pump control	S	M
Boiler&pump delay	3	0
Cascade link	M	S
Thermostat control	ON	OFF
System	H/C	H

Important safety information:

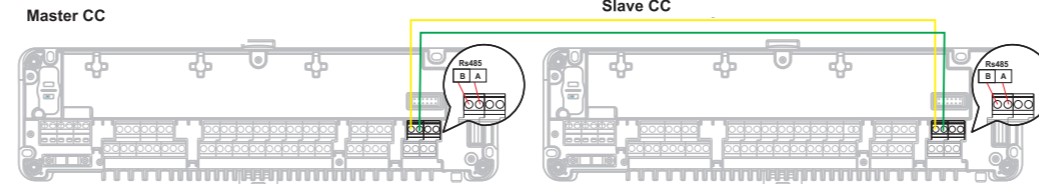
- Always turn off the power at the main power source by removing the fuse or setting the circuit breaker to the off position before installing, removing, cleaning or servicing this system.
- Read all the information in this manual before installing this CC.
- All wiring must comply with local and national building and electrical codes.
- If the system does not work properly, check that the wiring is correct and replace the fuse if necessary.
- Use this system only as described in this manual.

Cascade-system (1 master-cc and max. 7 slave-cc's):

When using multiple CCs, they should be interconnected either wired or wirelessly.

Cascade system Wired

Connect several CCs via a cable and configure CC addresses using the dip switch.



Dip switch settings Master-CC

Zone 1	OFF	ON
Zone 2	OFF	ON
Zone 3	OFF	ON
Zone 4	OFF	ON
Zone 5	OFF	ON
Zone 6	OFF	ON
Zone 7	OFF	ON
Zone 8	OFF	ON
Address	0	1
Address	0	2
Address	0	4
Pump control	S	M
Boiler&pump delay	3	0
Cascade link	M	S
Thermostat control	ON	OFF
System	H/C	H

Dip switch settings Slave-CC

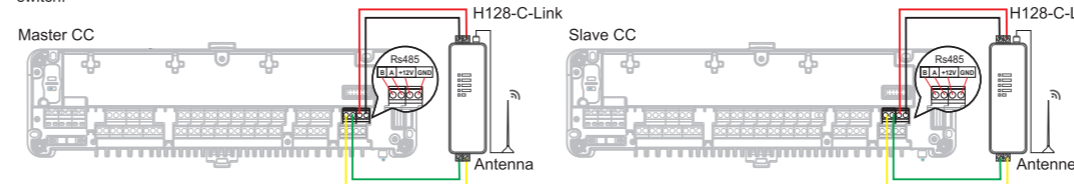
Zone 1	OFF	ON
Zone 2	OFF	ON
Zone 3	OFF	ON
Zone 4	OFF	ON
Zone 5	OFF	ON
Zone 6	OFF	ON
Zone 7	OFF	ON
Zone 8	OFF	ON
Address	0	1
Address	0	2
Address	0	4
Pump control	S	M
Boiler&pump delay	3	0
Cascade link	M	S
Thermostat control	ON	OFF
System	H/C	H

Dip switch settings for Slave-CC:

- Address 1: Set the dip switch to position 1.
 Address 2: Set the dip switch to position 2
 Address 3: Set the dip switch to position 1 and 2
 Master is always address 0

Cascade system wireless (option H128-C-Link can be ordered separately):

Connect several CCs via wireless. Connect the wires to the H128-c-link according to the example shown and configure CC addresses using the dip switch.



Dip switch settings Master-CC

Zone 1	OFF	ON
Zone 2	OFF	ON
Zone 3	OFF	ON
Zone 4	OFF	ON
Zone 5	OFF	ON
Zone 6	OFF	ON
Zone 7	OFF	ON
Zone 8	OFF	ON
Address	0	1
Address	0	2
Address	0	4
Pump control	S	M
Boiler&pump delay	3	0
Cascade link	M	S
Thermostat control	ON	OFF
System	H/C	H

Dip switch settings Slave-CC

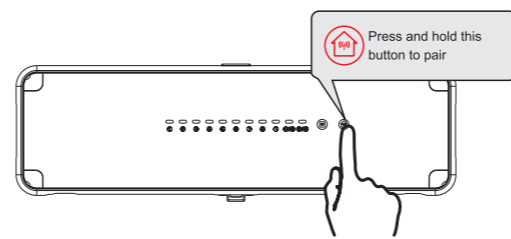
Zone 1	OFF	ON
Zone 2	OFF	ON
Zone 3	OFF	ON
Zone 4	OFF	ON
Zone 5	OFF	ON
Zone 6	OFF	ON
Zone 7	OFF	ON
Zone 8	OFF	ON
Address	0	1
Address	0	2
Address	0	4
Pump control	S	M
Boiler&pump delay	3	0
Cascade link	M	S
Thermostat control	ON	OFF
System	H/C	H

Dip switch settings for Slave-CC:

- Address 1: Set the dip switch to position 1.
 Address 2: Set the dip switch to position 2
 Address 3: Set the dip switch to position 1 and 2
 Master is always address 0

Pairing with H128-C-Link:

- Master CC: Press for 3 sec until & flash to access the pairing status. Then Slave CC: Press for 3 sec until & and the specific zone's light will flash.



- After pairing, the master CC at the specific zone will light up and the slave CC light will flash twice and exit. At the master CC, press and hold to end pairing.



Error messages:

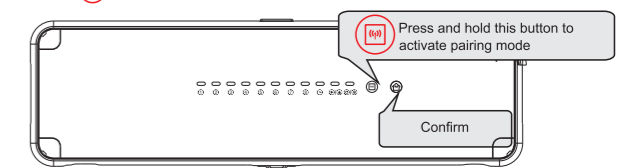
Alarm	Description:	Action:
	This alarm means that the system selection is different. This happens only when using the Cascade link function to link different zone controls.	Dip switches H/C and H should ensure that all wiring is in the same position.
	When you pair with an H128-C-Link, the light keeps flashing, this means the address selection is incorrect.	If this CC is the master, the address must be 0. If this wiring centre is slave, the address cannot be set to 0.
	No connection between Thermostat and CC, the specific zone will light up red.	Check and reconnect the thermostat.

Factory reset: Press 5 times in quick succession until zones 1-8 flash red and blue alternately. After completing the factory reset, the CC returns to standby mode.

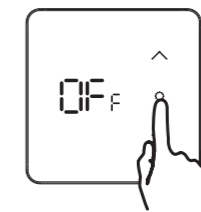
Pairing with thermostat:

TIP: Collect all thermostats and keep them close to CC for easy and quick pairing.

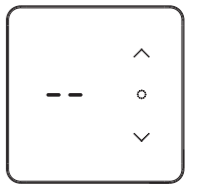
- Press and hold for 5 sec to start pairing mode. Zone 1 flashes Blue. Press to start pairing, selected zone flashes magenta. Pairing mode remains active for 5 minutes. To exit pairing mode: press and hold for 5 sec.



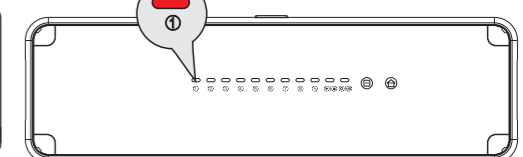
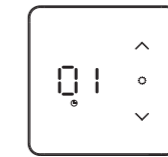
- Put the thermostat in OFF mode. Press and hold until the display shows OFF. When OFF flashes press to confirm.



- Press and hold and until the display shows --.



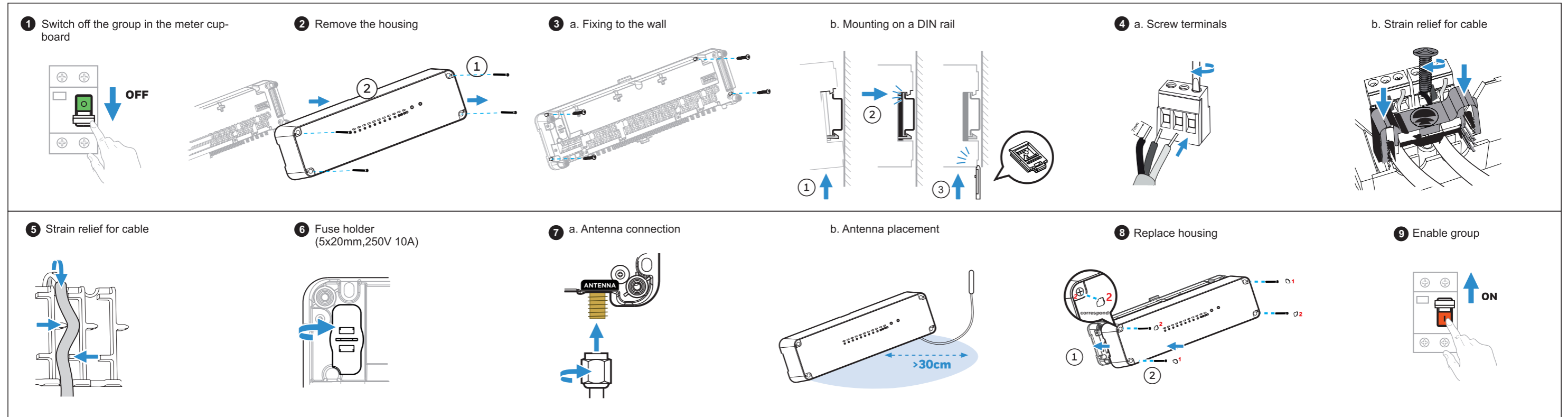
- Make sure the Control centre (CC) is in pairing mode. If not see step 1. After the thermostat is paired, it displays correct zone number. The LED of paired zone turns red. Pairing multiple thermostats: Select zone by pressing , confirm by pressing . Repeat step 2 and 3. Is the CC out of pairing mode? then follow steps 1 to 4.



H128-CC | Zone control

Installation instructions

Installation:



Wiring diagram:

