Eco Climate Control
Intelligent comfort

Installation example:
The single home
with heat pump for heating and cooling

B4 | 5 | 6
B5 | 4

B1 | 1
B2 | 2
B3 | 3

CH: 8

TB 230V	24V	CH: 8	SLAVE	LAN
☷❄	CH	1 2 3 4 5 6 7 8		Bus
eco ☾	Zone			☷❄ 230V
%rh	AXT	1 2 3 4 5 6		⏲ 230V

A1 | 1 2 3
A2 | 4 5
A3 | 6

WLAN
DSL

Wärmepumpe
Heatpump
Pompe à chaleur

A4 | 7
A5 | 8

CH: 8

EGH102

TB 230V	24V	CH: 8	MASTER	LAN
☷❄	CH	1 2 3 4 5 6 7 8		Bus
eco ☾	Zone			☷❄ 230V
%rh	AXT	1 3 6 7 4 8		⏲ 230V
		2 5		

C/O

Legend:

- Living room
- Bedroom
- Bathroom
- Hobby room
- Room operating unit with floor temperature sensor
- Kitchen
- Office
- Laundry
- Room operating unit without external sensor
- Room operating unit with outside air temperature sensor

Installation description

The Eco Climate Control wireless controller for surface heating and cooling controls the temperatures of all ten rooms individually. For this reason each room is equipped with its own room operating unit. The bathrooms are equipped with an additional floor temperature sensor in order to enable a minimum floor temperature control increasing comfort. The comfort can be further increased by configuring a cooling lock that disables the cooling mode for the bathrooms.

The installation is configured for a heat pump that determines the change-over between heating and cooling and transmits the C/O signal to the wireless master controller. A dewpoint monitor controls possible condensation and switches the installation off in case this occurs.
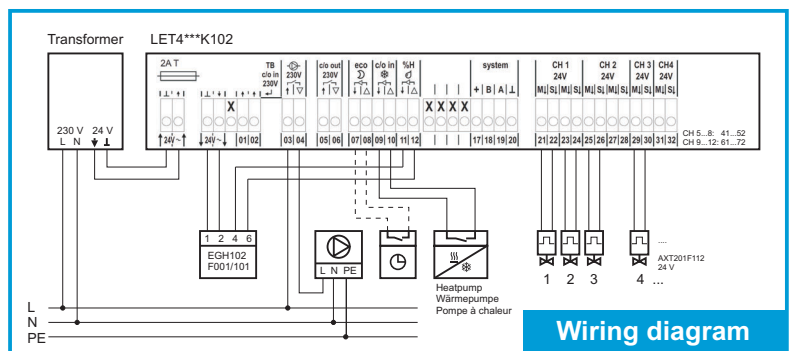
The groundfloor and the basement are controlled by the master controller

installed in the basement. The slave controller, which is connected to the master controller by radio signal, controls the upper two levels. The installation is prepared for the operation with a smartphone, either locally through WLAN or remotely through the internet. For this purpose the master controller is connected to a WLAN-router either per network cable or PowerLAN.

Optionally, an outdoor air temperature sensor can be connected to one of the room operating units. This outdoor air temperature can be called up at any room operating unit.

In case the heatpump requires a bypass then it is possible to configure different bypasses for heating and cooling, e.g. heating bypass for bathrooms and cooling bypass for the hobby room.

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Wiring diagram

Transformer   LET4***K102

Material list

Quantity	Type	Description
2	LET4208RK102	8 channel controller, 24V, with LAN, incl. transformer
10	LRA420RK100	Room operating unit, white
2	0313367003	Floor temperature sensor, cable 3 m
1	0450232001	Outside air temperature sensor
1	EGH102F001	Dewpoint monitor
12	AXT201F112	Thermal actuator, 24V, cable 1 m

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