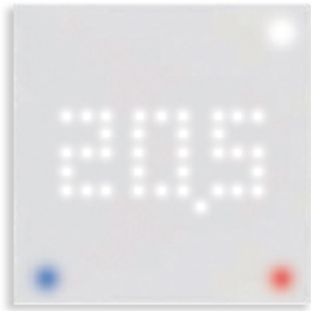## HERZ clever&smart LEDcontroller Clima WiFi 3 F810 34

Digital room sensor for surface heating and cooling systems with built-in multi-sensor and WiFi module 2.4 GHz for wireless integration into a HERZ clever&smart system. Intuitive operation via integrated touch areas and LEDs. Monitoring of the air quality via coloured status LED and measured value display.
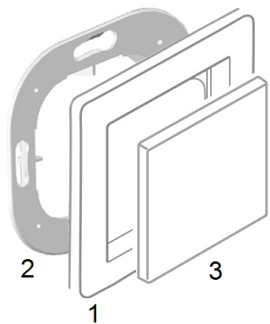
Technical Data

Power Supply	230 VAC	**Protection Class**	IP 20
power consumption	1 W - 2,5 W	**Dimension**	55 mm x 55 mm
Measurement Range		**Housing**	Plastic Pure white
Temperature	0 °C ... 50 °C	**Mounting**	Surface / flush-mounted
- Accuracy / resolution:	+/- 1 °C / 0,1 °C		
Humidity	0 % ... 100 %		
- Accuracy / resolution:	(+/- 6 % / 0,1 %)		
CO2 equivalent*	0 - 9999 ppm		
Air quality IAQ*	0 - 999		

* indicative value

Wall mounting and electrical connection

Mount the HERZ clever&smart LEDcontroller Clima WiFi in a suitable place.
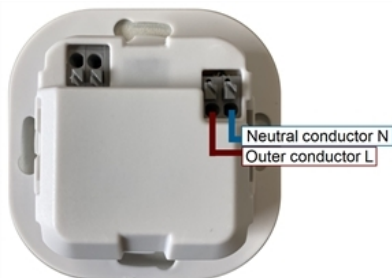
> ⚠️ **Caution!**
> Device and function may be damaged. Select a suitable environmental condition. Direct sunlight, sources of heat and cold, e.g. radiators and windows must be avoided.

Mounting in flush-mounted switch box

Attach the mounting ring to the switch box with the arrow pointing upwards (2). Make the electrical connection as described below.

Electrical connection

Connect the sensor to the 230 VAC power supply as shown (blue = neutral conductor N, brown = outer conductor L).
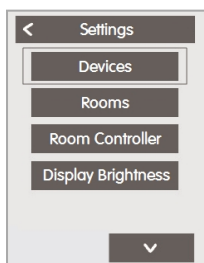
Attach insert

Hold the cover frame (1 - not included in the scope of delivery) against the mounting ring (2). Align the HERZ clever&smart LEDcontroller Clima WiFi (3) to fit the mounting ring and push it on.

Surface mounting

For surface mounting, use the set Surface-mounted frame high 3 F810 53.
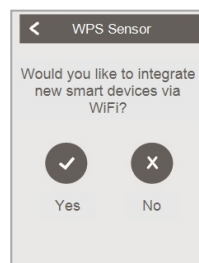
Neutral conductor N
Outer conductor L

Pairing HERZ clever&smart Room Controller with HERZ clever&smart LEDcontroller Clima WiFi

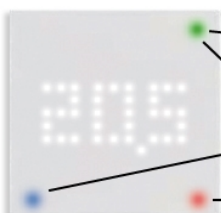Expert > Settings > Devices

Add Device

Confirm integration

Operate smart device

LED

LED air quality, green = good ... see table below

LED white = Touch registered - operation active

LED blue = Reduce setpoint

LED red = Raise setpoint

☑ Measured values IAQ and CO2 equivalent

In the first few days after installation, the HERZ clever&smart LEDcontroller Clima goes through a calibration phase during which fluctuating measurements and major deviations may occur.

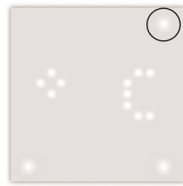| CO2	Air quality		IAQ	Air quality*
< 800 ppm	Excellent		0 - 100	Good
800 - 1000 ppm	Good		101 - 150	Moderate
1000 - 1400 ppm	Satisfactory		151 - 200	Unhealthy for sensitive groups of people
1400 - 2000 ppm	Medium (ventilation recommended)		201 - 250	Unhealthy
2000 - 3000 ppm	Bad (ventilation required)		251 - 300	Very unhealthy
> 3000 ppm	Very bad (ventilation required)		301+ [LED flashes high-frequency]	Hazardous to health

* The faster the LED flashes, the poorer the air quality
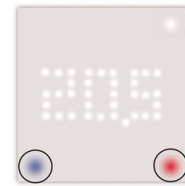
☑ Operation

Standby Screen
IAQ ok. Touching the touch areas activates the device.

Measuring unit and measured value display
The first touch of the touch area shows the temperature. Repeated touching changes to other measured values and first shows the unit and after a short time the measured value.

Setpoint adjustment
The set temperature can be reduced or increased by touching the blue and red touch areas.

☑ HERZ clever&smart LEDcontroller Clima WiFi room assignment

There are two ways to assign a room to the HERZ clever&smart LEDcontroller Clima WiFi:
1. Using the unit ID via the HERZ clever&smart Room Controller menu 'Expert -> Settings -> Rooms -> Room X -> Temperature/ Humidity
2. As described under 1. via the HERZ clever&smart Room Controller menu in combination with the Touch-To-Assign function (T2A) on the HERZ clever&smart LEDcontroller Clima.
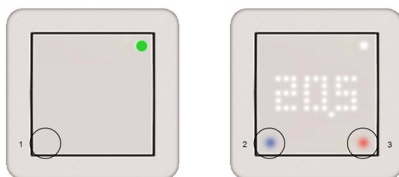

Expert > Settings > Rooms

Select or add room

Select sensor type Temp. / Humidity

1.

Assign sensor

Assignment successful

2.

When opening the sensor list, the HERZ clever&smart LEDcontroller automatically switches to T2A mode.

Touch the HERZ clever&smart LEDcontroller on one of the three touch areas to assign it to the selected room.

LED lights up blue while the connection is being established.

LED lights up green if the assignment was successful.

Assignment successful

☑ Set room setpoint

1. Activate the room setpoint menu (1) by touching the touch area (1).

Reduce (2) or increase (3) the room setpoint by touching the touch areas.

After 20 seconds, the display returns to the standby screen.

The set room setpoint is valid until the next change via HERZ clever&smart Room Controller timer or manually.