°C-Lite Smart / °C-Lite Clima Smart

Digital room thermostat for surface heating and cooling systems with built-in multisensor and Wifi module 2.4 GHz for wireless integration into a SOREL system. Intuitive operation via integrated touch areas and LEDs. Monitoring of the air quality via coloured status LED and measured value display.
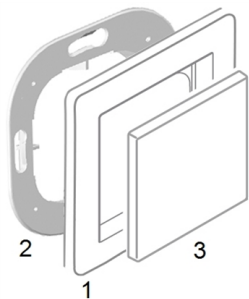

Technical Data

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		

* only in °C-Lite Clima Smart version, ** as a guideline, only in °C-Lite Clima Smart version

Wall mounting and electrical connection

Mount the sensor in a suitable location.

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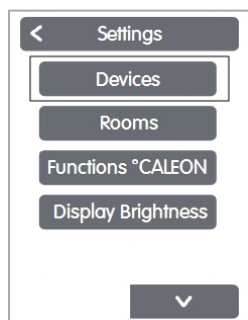Connect the sensor to the 230 VAC power supply as shown (blue = neutral conductor N, brown = outer conductor L).

Attach insert
Hold the cover frame (1 - not included in the scope of delivery) against the mounting ring (2). Align the °C-Lite Smart / °C-Lite Clima Smart (3) to fit the mounting ring and push it on.
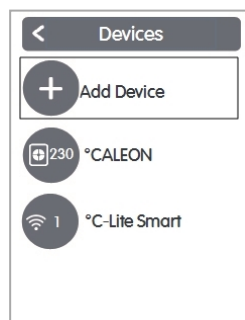
Surface mounting
For surface mounting, use the Mounting set surface-mounted frame high (art. no.: 82003).

Pairing °CALEON with °C-Lite Smart / °C-Lite Clima Smart
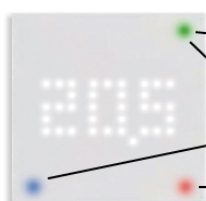

Expert > Settings > Devices

Add Device

Confirm inclusion

Operate smart device

LED

LED Air quality (Clima IAQ), green = good ... see table below

LED white = Touch registered - operation active

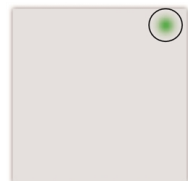LED blue = Reduce setpoint

LED red = Raise setpoint

Measured values IAQ and CO2 equivalent

In the first few days after installation, the °C-Lite Clima Smart goes through a calibration phase during which fluctuating measurements and major deviations may occur.
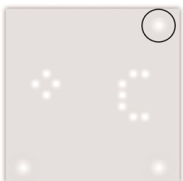
CO2	Air quality
< 800 ppm	Excellent
800 - 1000 ppm	Good
1000 - 1400 ppm	Satisfactory
1400 - 2000 ppm	Medium (ventilation recommended)
2000 - 3000 ppm	Bad (ventilation required)
> 3000 ppm	Very (ventilation required)

IAQ	Air quality*
0 - 100	Good
101 - 150	Moderate
151 - 200	Unhealthy for sensitive groups of people
201 - 250	Unhealthy
251 - 300	Very unhealthy
301+ [LED flashes high-frequency]	Hazardous to health

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

Operation

Standby Screen
IAQ ok (°C-Lite Clima Smart) Touching the touch areas activates "Display".

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.
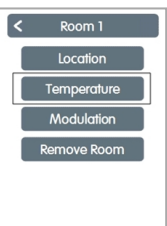
°C-Lite Smart / °C-Lite Clima Smart room assignment

There are two ways to assign a room to the °C-Lite Smart / °C-Lite Clima Smart:
1. Using the device ID via the °CALEONmenu 'Expert -> Settings -> Rooms -> Room X -> Temperature/ Humidity
2. As described under 1. via the °CALEON menu in combination with the Touch-To-Assign function (T2A) on the °C-Lite.
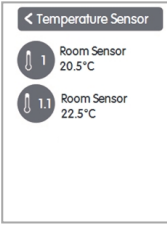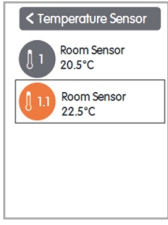

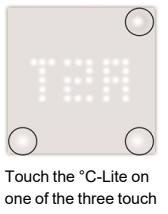Expert> Settings > Rooms

Select or add room
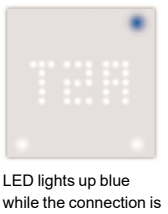
Select sensor type Temperature / Humidity
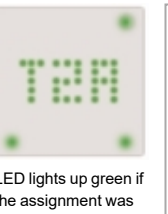
1. Assign sensor

Assignment successful

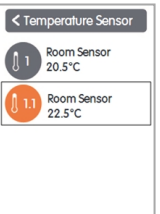2. When opening the sensor list, the °C-Lite automatically switches to T2A mode

Touch the °C-Lite on one of the three touch areas to assign it to the selected room.

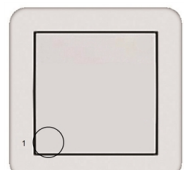LED lights up blue while the connection is being established.

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 raise (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 °CALEON timer or manually.