

CCIB temperature management protocol

10/01/2023

Rev: 1

Background

Two royal decrees are mandatory for the CCIB and the Auditorium of the Forum building. The indoor temperature must comply with the following parameters:

Royal Decree-Law 14/2022:

- The air temperature in heated venues shall not be higher than 19°C.
- The air temperature in cooled venues shall not be lower than 27°C.

Royal Decree-Law 486/1997:

- The temperature must be between 17°C and 27°C for sedentary work.
- The temperature must be between 14°C and 25°C for light work.

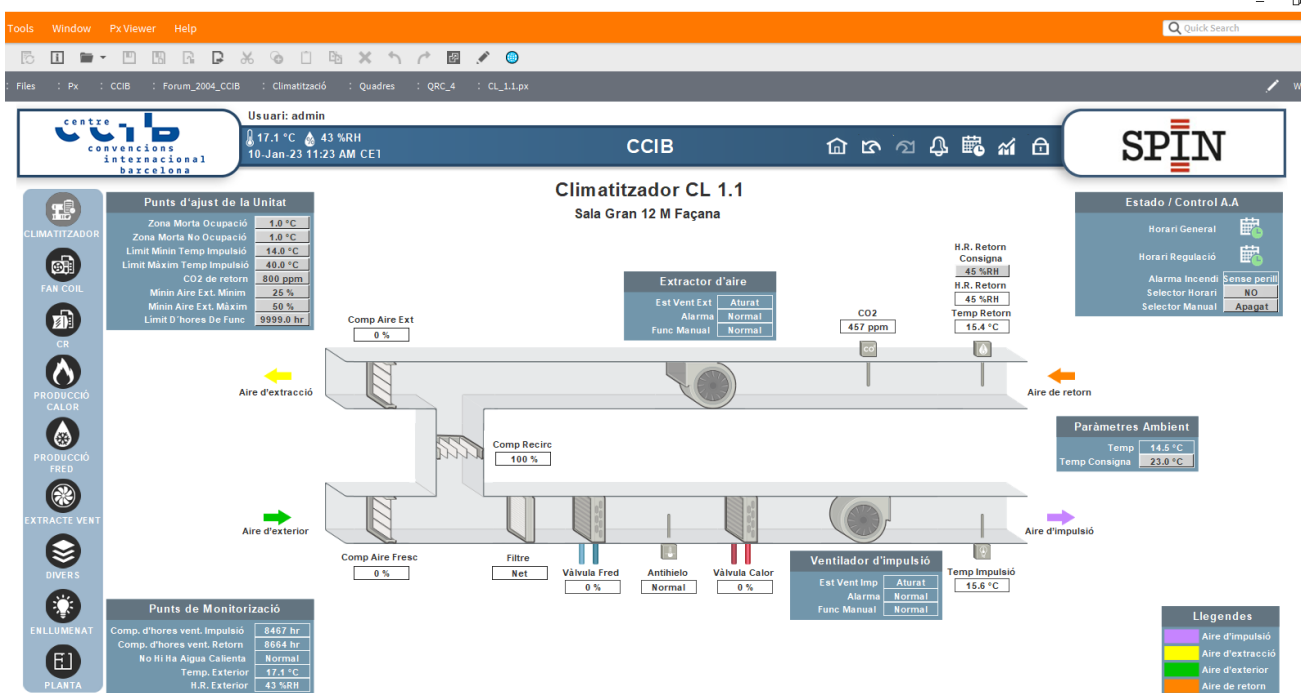
Production system

The CCIB building is connected to the DISTRICLIMA distribution network for the production of hot and cold water.

We have a sub-station for the heat/cold exchanger and the distribution of water throughout the building by means of a network of pipes that feeds each of the air conditioners.

Air-conditioning system

Each room is equipped with one or more air conditioners, depending on its size.



CCIB protocol

In order to comply with the RD, the control system is programmed in accordance with the following parameters:

- The temperature setpoint during heating is $21^{\circ}\text{C} \pm 2$ degrees, i.e. the temperature can fluctuate between 19°C and 23°C .
- The temperature setpoint during cooling is $25^{\circ}\text{C} \pm 2$ degrees, i.e. the temperature can fluctuate between 23°C and 27°C .

It is important to emphasise that the air conditioning system does not guarantee a fixed temperature due to the sizes of the spaces (m³), usage variations and the number of people in each space.