

### Caleon Room Unit

Main Features	
Description	The Caleon room unit with temperature sensor, humidity sensor and colour touch display is designed for controllers with CAN-Bus communication. The unit can be ordered in the basic version (code 17150) or in the extended version with an integrated WiFi module (code 18126), through which the unit can be connected to the Internet and its settings can then be performed using an application on a mobile phone. The Caleon room unit forms a functional unit only with the corresponding controller.
Application	Sensors integrated in the room unit allow the temperature and humidity in the room to be sensed. These values are shown on the display of the room unit together with the outdoor temperature value, which is measured by an external controller. Communication with the external controller is ensured via CAN-Bus. Four operating modes can be set in the room unit (Comfort, Setback, Temperature increase and Off). For each of these modes, the duration period and its corresponding desired room temperature can be set.
Installation	A four-core cable is used for the electrical connection of the room unit, the room unit shall be installed on a wall, 120 to 160 cm above the floor; out of direct sunlight and at a sufficient distance from windows; never install near heat sources.

Codes	
17150	Caleon Room Unit
18126	Caleon Room Unit with WiFi module

**Overview on Caleon Room Unit display**

← room temperature  
← room humidity  
← outdoor temperature

**Display of Timer**

*Caleon Room unit conforms to the following EU regulations:  
EU Electromagnetic compatibility directive 2014/30/EU  
EU low voltage directive 2014/35/EU*

Electric Data	
Power supply	12-24 VDC ± 10 %
Consumption	max. 2.5 W
IP rating	IP 20
El. protection class	III
Communication	CAN Bus
Wiring	4-core (typically JYTY 4Dx1) (2 power supply, 2 CAN communication)*

\*Alternatively, it is possible to connect the CAN communication between the Caleon room unit and a controller via a 2-core cable. The power supply of the room unit must then be solved by an external 24VDC power supply.

Measurement Range	
Internal temperature sensor	0 - 60°C accuracy ± 1 °C, resolution 0.1 °C
Internal rel. humidity sensor	0 - 100%, accuracy ± 6%, resolution 0.1%

Permissible Ambient Conditions	
Temperature during operation	0 - 50 °C, no moisture condensation permitted
Temperature for storage	0 - 60 °C, no moisture condensation permitted

Other Data	
Dimensions	75 x 95 x 19 mm (width x height x depth)
Display	7 cm colour touchscreen
Real time circuit	24 hour power reserve
Languages	Czech, English, German, Italian, Spanish, Greek

Scope of Supply	
Caleon Room Unit (17150) or Caleon Room Unit with WiFi module (18126)	1 piece
CAN connector with connecting cables, operating tool	1 piece
Terminating resistor CAN connector	1 piece
Single conductor connector	2 pieces
Terminating resistor	1 piece
Screw, 3.5 x 35 mm	2 pieces
Plug, 6 mm	2 pieces