



# CAP/EC

INDOOR AIR QUALITY CONTROL UNIT

- MANUAL OR AUTOMATIC CONTROL 0-10V BASED ON SENSOR READING
- WALL-MOUNTED
- COMPATIBLE WITH SENSORS PM<sub>2,5</sub>+VOC OR CO<sub>2</sub>+VOC
- TIME PROGRAMMING
- LED AIR QUALITY INDICATOR



INTELLIGENT CONTROL FOR  
REGULATING UNITS WITH EC  
TECHNOLOGY FANS



## The CAP/EC control panel is ideal for air ventilation or purification systems with EC Technology motors with on-board electronics.

The CAP/EC intelligent control incorporates all the functions required for manual or automatic control of the ventilation system, setting the fan rotation speed parameters based on the established parameters. The already included temperature and humidity probes are used to set the ventilation requirements based on these parameters.

## Compatibility with external intelligent sensors is one of the excellent advantages of the CAP/EC control panel



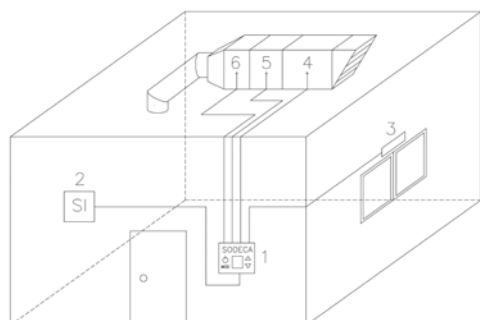
### Intelligent sensor SI-PM2,5+VOC

Connection of the external intelligent sensor to the SI-PM2,5+VOC type control panel allows the air ventilation or purification units to efficiently filter particulate matter (PM2.5) and/or volatile organic compounds (VOC), based on concentration levels. The easy to read LED indicator constantly displays air quality.

### Intelligent sensor SI-CO<sub>2</sub>+VOC

The external intelligent sensor for the SI-CO<sub>2</sub>+VOC type control panel is ideal for local ventilation installations in high occupancy or high activity areas. The ventilation rate is regulated based on the CO<sub>2</sub> or VOC level. The LED indicator gives an instant display of the air quality at all times.

## Installation example



1. CAP/EC control.
2. SI-PM2,5+VOC or SI-CO<sub>2</sub>+VOC sensor.
3. Remote stop (voltage-free contact).
4. Unit with EC Technology fan, with 0-10V regulation.
5. Filter status pressure switch (voltage-free contact).
6. Actuation of the disinfection system (5A - 230 V AC relay).

# CAP/EC

**Intelligent control for regulating units with EC Technology fans suitable for use with external air quality sensors**



CAP/EC



SI-PM2,5+VOC  
SI-CO<sub>2</sub>+VOC

Intelligent control designed for automatic or manual operation of EC Technology fans.

Characteristics of the main unit:

- LCD display with LED Backlight.
- Manual set point regulation 0-10V.
- Automatic set point regulation 0-10V, based on the sensor readings.
- Built-in temperature and humidity sensors.
- Remote safety stop.
- Disinfection system ON/OFF.
- Filter maintenance alarm.
- Disinfection system maintenance alarm.
- Time programming.
- Modbus RTU communications channel.
- Mounted on the wall or on the fan itself.
- 230 V 50 Hz power supply.

- Inputs:
  - 2 analogue inputs 0-10V for PM2.5 sensors, VOC or CO<sub>2</sub>.
  - 1 input for filter status pressure switch voltage-free contact.
  - 1 input for remote stop voltage-free contact.
- Outputs:
  - 1 output 0-10V regulation of EC Technology motor.
  - 1 disinfection system actuation voltage-free contact.

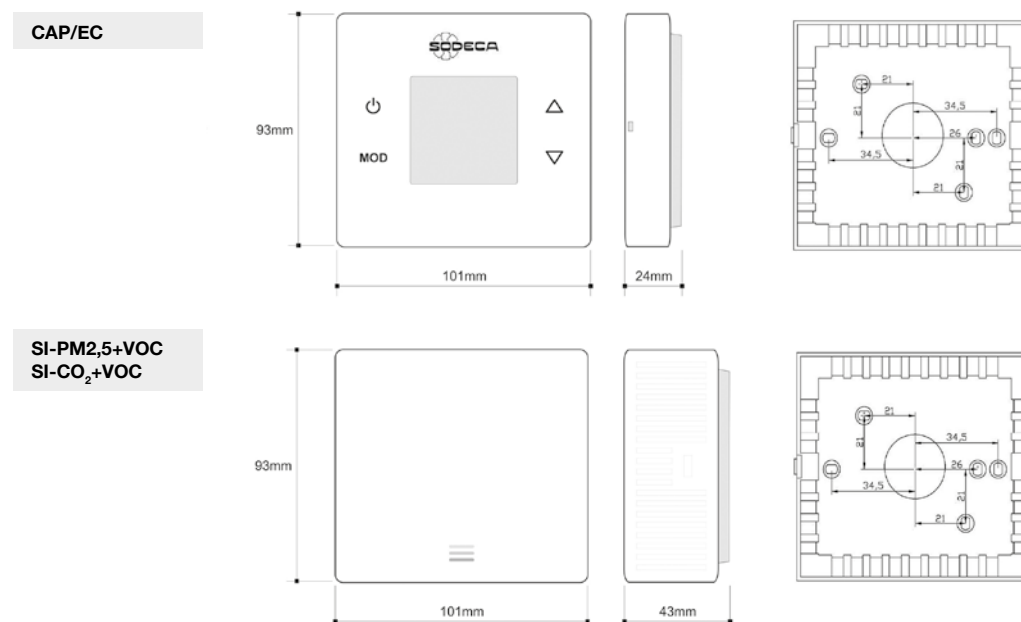
Intelligent sensors:

- LED air status indicator.
- Wall-mounted.
- 230 V 50 Hz power supply.
- Available options:
  - PM2,5+VOC: For recirculating installations.
  - CO<sub>2</sub>+VOC: For renewal installations.

## Order code

	Regulation type				
	Temperature	Relative Humidity	PM2.5	CO <sub>2</sub>	VOC
CAP/EC	OK	OK	-	-	-
CAP/EC with PM2,5+VOC	OK	OK	OK	-	OK
CAP/EC with CO <sub>2</sub> +VOC	OK	OK	-	OK	OK

## Dimensions mm





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