EC TECHNOLOGY

CAP/EC

INDOOR AIR QUALITY CONTROL UNIT

- MANUAL OR AUTOMATIC CONTROL 0-10V BASED ON SENSOR READING
- COMPATIBLE WITH SENSORS PM2,5+VOC OR CO_2+VOC
- WALL-MOUNTED
- TIME PROGRAMMING
- LED AIR QUALITY INDICATOR

SODECA®

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.

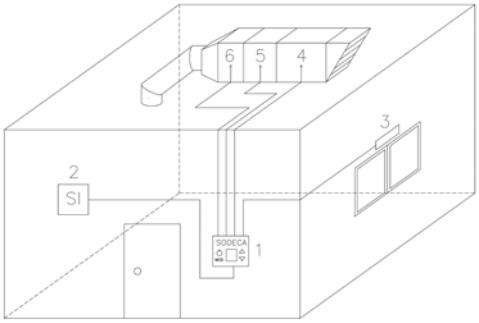
The CAP/EC intelligent control incorporates all the functions required for manual or automatic control of the ventilation system, setting the fan rotation speed parameters based on the established parameters. The already included temperature and humidity probes are used to set the ventilation requirements 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_2+VOC
The external intelligent sensor for the SI-CO_2+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_2 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_2+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_2+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_2.
  - 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.

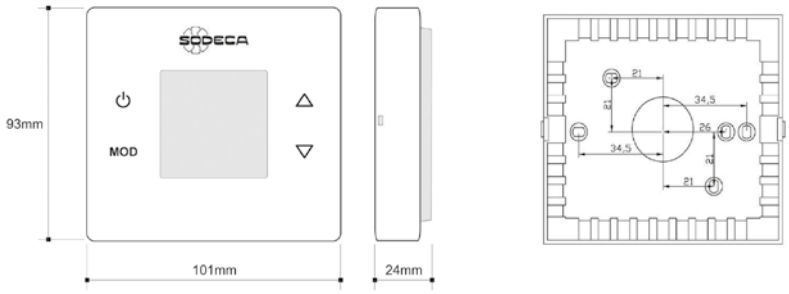
Intelligent sensors:
- LED air status indicator.
- Wall-mounted.
- 230 V 50 Hz power supply.
- Available options:
  - PM2,5+VOC: For recirculating installations.
  - CO_2+VOC: For renewal installations.

Order code

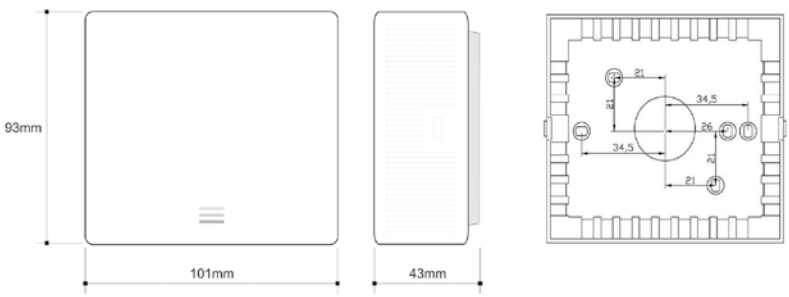
	Regulation type				
	Temperature	**Relative Humidity**	**PM2.5**	**CO_2**	**VOC**
CAP/EC	OK	OK	-	-	-
CAP/EC with PM2,5+VOC	OK	OK	OK	-	OK
CAP/EC with CO_2+VOC	OK	OK	-	OK	OK

Dimensions mm

CAP/EC



SI-PM2,5+VOC
SI-CO_2+VOC



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HEADQUARTERS
Sodeca, S.L.U.
Pol. Ind. La Barricona
Carrer del Metall, 2
E-17500 Ripoll
Girona, SPAIN
Tel. +34 93 852 91 11
Fax +34 93 852 90 42
General sales: comercial@sodeca.com
Export sales: ventilation@sodeca.com

PRODUCTION PLANT
Sodeca, S.L.U.
Ctra. de Berga, km 0,7
E-08580 Sant Quirze de Besora
Barcelona, SPAIN
Tel. +34 93 852 91 11
Fax +34 93 852 90 42
General sales: comercial@sodeca.com
Export sales: ventilation@sodeca.com

SODECA Group

EUROPE

FINLAND
Sodeca Finland, Oy

HUITTINEN
Sales and Warehouse
Mr. Kai Yli-Sipilä
Metsälinnankatu 26
FI-32700 Huittinen
Tel. + 358 400 320 125
orders.finland@sodeca.com

HELSINKI
Smoke Control Solutions
Mr. Antti Kontkanen
Vilppulantie 9C
FI-00700 Helsinki
Tel. +358 400 237 434
akontkanen@sodeca.com

HYVINKÄÄ
Industrial Applications
Mr. Jaakko Tomperi
Niinistönkatu 12
FI-05800 Hyvinkää
Tel. +358 451 651 333
jtomperi@sodeca.com

ITALIA
Marelli Ventilazione, S.R.L.

Viale del Lavoro, 28
37036 San Martino B.A.
(VR), ITALY
Tel. +39 045 87 80 140
vendite@sodeca.com

PORTUGAL
Sodeca Portugal, Unip. Lda.

PORTO
Rua Veloso Salgado
1120/1138
4450-801 Leça de Palmeira
Tel. +351 229 991 100
geral@sodeca.pt

LISBOA
Pq. Emp. da Granja Pav. 29
2625-607 Vialonga
Tel. +351 219 748 491
geral@sodeca.pt

ALGARVE
Rua da Alegria, 33
8200-569 Ferreiras
Tel. +351 289 092 586
geral@sodeca.pt

UNITED KINGDOM
Sodeca Fans UK, Ltd.

Mr. Mark Newcombe
Tamworth Enterprise Centre
Philip Dix House, Corporation
Street, Tamworth , B79 7DN
UNITED KINGDOM
Tel. +44 (0) 1827 216 109
sales@sodeca.co.uk

AMERICA

CHILE
Sodeca Ventiladores, SpA.

Sra. Sofía Ormazábal
Santa Bernardita 12.005
(Esquina con Puerta Sur)
Bodegas 24 a 26,
San Bernado, Santiago, CHILE
Tel. +56 22 840 5582
ventas.chile@sodeca.com

COLOMBIA
Sodeca Latam, S.A.S.

Sra. Luisa Stella Prieto
Calle7 No. 13 A-44
Manzana 4 Lote1, Montana
Mosquera, Cundinamarca
Bogotá, COLOMBIA
Tel. +57 1 756 4213
ventascolombia@sodeca.co

PERU
Sodeca Perú, S.A.C.

Sr. Jose Luis Jiménez
C/ Mariscal Jose Luis de
Orbegoso 331. Urb. El pino.
15022 , San Luis. Lima, PERÚ
Tel. +51 1 326 24 24
Cel. +51 994671594
comercial@sodeca.pe

RUSSIA

RUSSIA
Sodeca, L.L.C.

Mr. Stanislav Alifanov
Severnoye Shosse, 10 room 201
Business Park Plaza Ramstars
140105 Ramenskoye,
Moscow region, RUSSIA
Tel. +7 495 955 90 50
alifanov@sodeca.com

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www.sodeca.com