EC TECHNOLOGY

EC CONTROL

SODECA

CONTROL PANEL AND AUTOMATIC
REGULATION FOR EC TECHNOLOGY
MOTOR VENTILATION SYSTEMS

EC CONTROL

Control panel and automatic regulation for EC Technology motor ventilation systems

Ventilation systems control panel for EC Technology motors with onboard electronics. The EC CONTROL system has all of the functions needed to automatically regulate controlled mechanical ventilation systems (CMVs), adjusting impeller speed based on the required airflow and other, air quality parameters.

Easy system set-up via the control panel push buttons and LCD screen or through the USB port by using our free ***Sodeca CPC Utility*** software.

Equipment preconfigured in constant pressure mode with 100 Pa setpoint.

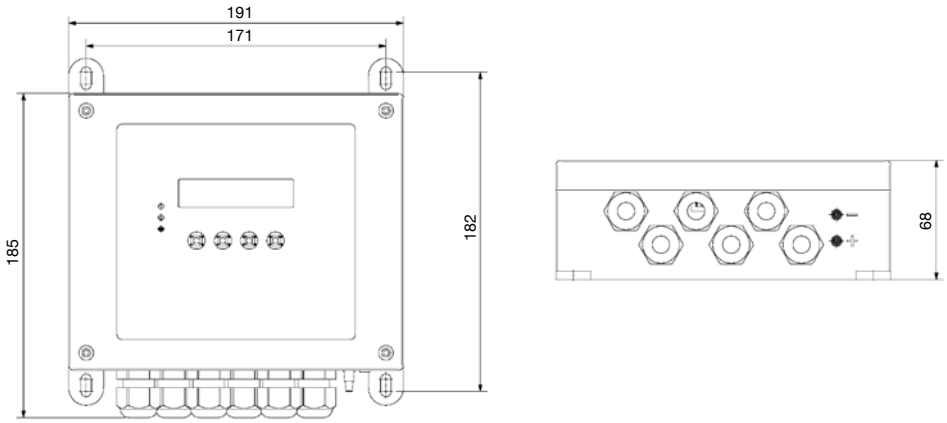
The EC CONTROL panel includes:
- Built-in high precision differential pressure sensor.
- LCD screen for functions programming.
- RTU Modbus connection for BMS systems.
- USB port for quick configuration via PC.
- 0-10 V and 4-20 mA configurable analogue inputs for connection to external sensors: °C, VOC, CO, humidity…
- Casing with IP54 protection.
- Operating temperature range -10 °C +50 °C.
- 230 V AC 50/60 Hz power supply.
- Digital inputs for activating and stopping the system and DAY/NIGHT function.
- Potential free relay outputs: run and fault.

Control modes:
- **CPC**: Constant pressure control.
- **CFC**: Constant flow control.
- **DAY/NIGHT**: Dual setpoint pressure adjustment depending on the time of day.
- **External sensor:** Compatible with temperature, humidity, air quality or CO2 sensor.

Technical characteristics

Model	Supply voltage	Nominal current	Control output	Pressure range	Operating temperature	Weight	Protection class
	(V)	(A)	(V)	(Pa)	(°C)	(kg)	
EC CONTROL	230 V AC 50/60 Hz	0.6	0-10	0-2500	-10 to +50	0.9	IP54

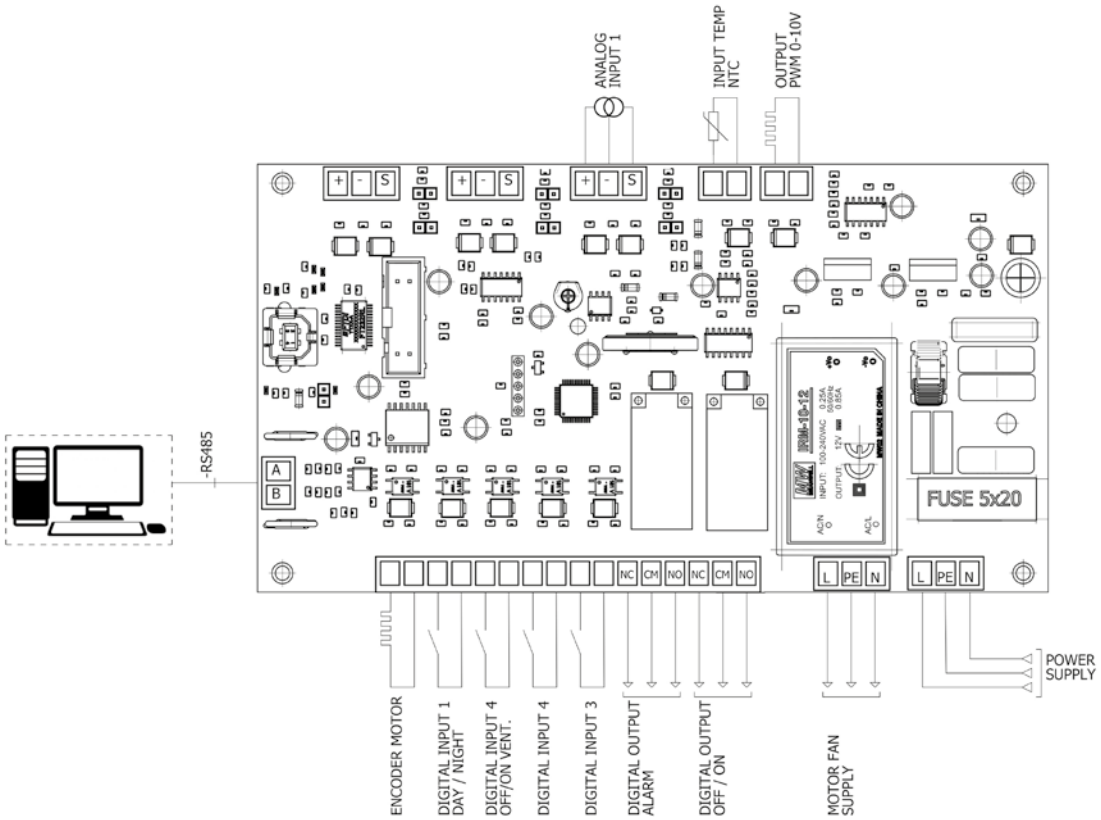
Dimensions mm



Accessories

SI

Connections



THE IDEAL ACCESSORY FOR EC TECHNOLOGY MOTOR VENTILATION SYSTEMS

The EC CONTROL system is **compatible with our controlled mechanical ventilation systems (CMVs) equipped with EC Technology motors**, allowing automatic regulation of those systems.

CL/PLUS/EC

CJK/EC

CJV/EW

SVE/PLUS/EW

SVE/PLUS/EW/CPC

CRF/EW

CRF/EW/CPC

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ISO 9001 BUREAU VERITAS Certification

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