

Nederman SAVE - Intelligent airflow control that saves energy, enhances performance and tracks process utilisation

SAVE Controller



Nederman SAVE is a unique and patented solution pioneered to enable users and owners of dust extraction systems to significantly reduce their energy costs by the direct and intelligent control of system hardware used on a real time basis.

Description

Nederman SAVE consists out of three basic components - SAVE Controller in powder coated enclosure with IP 65 rating, equipped with industrial PC panel 10.4"; SAVE Module and SAVE Sensor.

Function

SAVE Controller assesses the extraction needs for airflow and pressure from all machines and provides instructions to dampers and VFD for optimal operation. SAVE Modules collect information from machine sensors and wirelessly sends and receives data from the main controller for local damper operation. SAVE Sensors installed at each machine track the operation and send signal when machine will be producing dust.

The data is directly displayed on the HMI on the main unit in real time.

Advantages

- Individual audit.
- Adjustment to the specific needs of the user.
- Wireless/radio communication.
- Modular type has the possibility of expansion when increasing the demand.
- Ease of assembly.
- At any time, there is the availability of data related to energy saving.
- IIoT platform Nederman Insight integration ready.

SAVE Module



SAVE Sensor



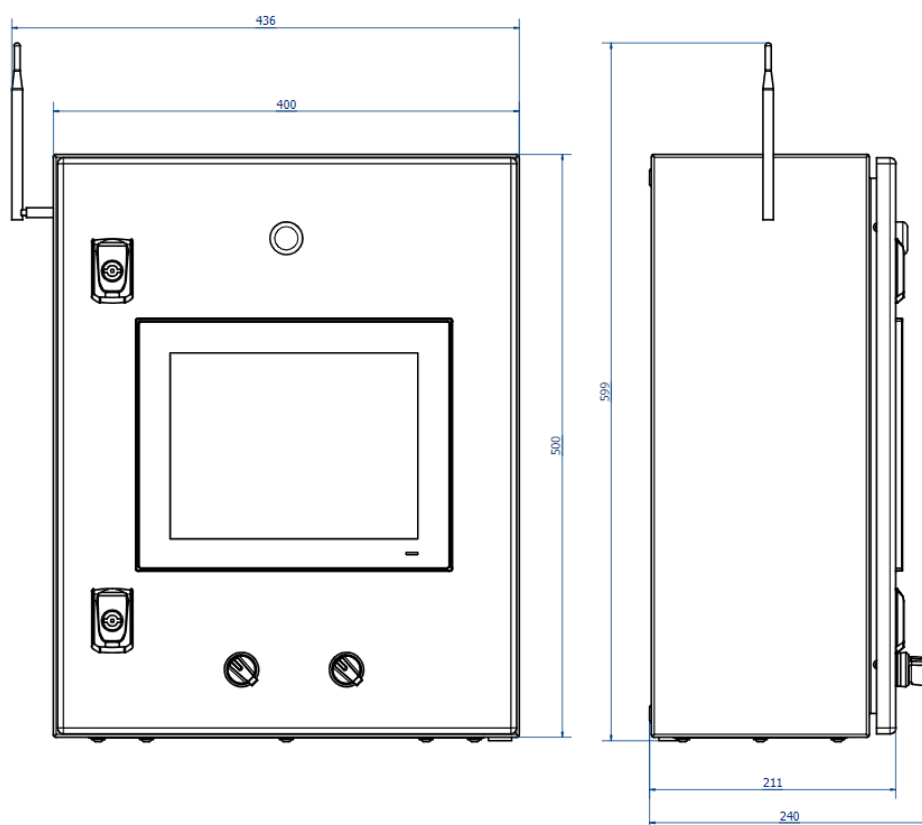
Parameters	SAVE Sensor
Power supply [V/phase/Hz]	12-24 DC/115-400 VAC
Ambient temperature range	-10°C ... +50°C

Specification

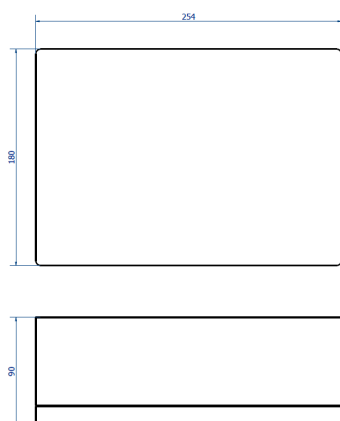
Parameters	SAVE Controller	SAVE Module
Power	200W (230VAC)	70W (230VAC)
Power supply [V/phase/Hz]	85-264 VAC/1/47-63Hz	85-264 VAC/1/47-63Hz
Nominal current [A]	0,87 (230VAC)	0,3 (230VAC)
Ambient temperature range	-10°C ... +50°C	-10°C ... +50°C
Protection category	IP65	IP65

Dimensions

SAVE Controller



SAVE Module



Ordering

Item number	Description
73009058	SAVE Controller
73009078	SAVE Controller incl. gateway
73009059	SAVE Module
73009060	SAVE Sensor
73009080	Air Flow Sensor