

COMPACT SOLUTION

ECO ALFA SYSTEM

The most compact, cheap and easy-to-cable solution with Economizer, suitable for filters up to 24 valves.



ECO-ALFA is an economizer with built-in differential pressure sensor able to pilot up to 24 ALFA remote modules (each equipped with a 1/4" pilot which commands pneumatic valves).

It has an LCD display on which the pressure measured by the sensor, the activated valve, the current cycle status (pause, work, post-cleaning, ...), the type of operation, any alarms present, etc., can be monitored in real time.

ECO-ALFA is fully programmable and communicates with the ALFA unit by means of a patented system.

Each ALFA module is assigned a serial address, which identifies each individual board.

Using three keys, the user can access the programming menu and enter all the board parameters.

ECO-ALFA can also automatically detect the presence/absence of the off-take valve connected.

The main feature of this system lies in the ease of wiring, which is reduced to a single two wire cable that starts from the control unit and crosses one by one the ALFA unit mounted on each valve on the tank.

ECO-ALFA has 2 digital inputs and 2 clean contact relays.

The instrument is pre-engineered for an optional RS485 serial communication output, to be requested when the order is placed (RTU Modbus protocol), allowing it to exchange data with a PC/PLC and other data storage units.

PRODUCT CERTIFICATIONS

STANDARD



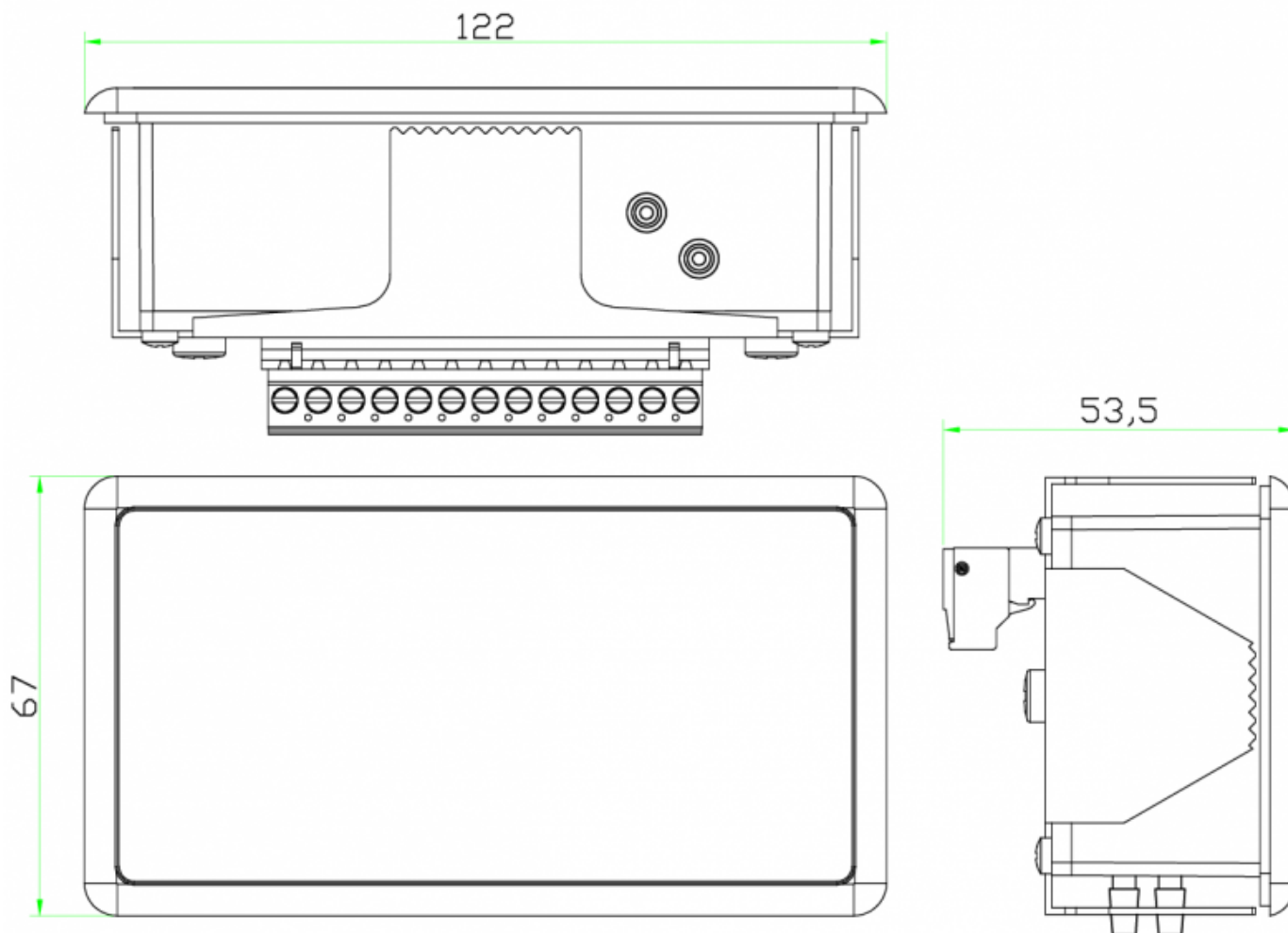
TECHNICAL SPECIFICATIONS

Main Features	Features	Values
Dimensions	External Dimensions (L x H x W mm)	122x67x53,5(eco-alfa) 60x58,8x62(alfa)
	Weight (kg)	0,2(eco-alfa), 0,225(alfa)
Protection	Protection Level (standard)	Panel installation IP56 (eco-alfa), IP65 (alfa)
Temperature	Working Temperature (°C)	-10... +60
	Storage Temperature (°C)	-20... +80
Power Supply	Power Supply Range (standard)	30-33Vdc(eco-alfa)
	Power Consumption	5W(eco-alfa) + 20W(alfa)


TECHNICAL SPECIFICATIONS

Main Features	Features	Values
Display	Display Type	LCD
	Resolution	128X64
	Display Color (standard)	Blu
Inputs	Digital Inputs (nr)	2
	Pressure Input	ok
	Pressure Range	-99/+999mmH2O
Outputs	Relay Outputs (nr)	2
	Relay Output Power	2A 30Vdc/250Vac resistive
	Coils Control Voltage	24Vdc
Functions	Cyclic Management	ok
	Delta Pressure Management	ok
	Customizing Cycles	ok
	Remote Start/Stop	ok
	Autopause	ok
	Precoating	ok
	Post-cleaning	ok
	Cleaning cycle	ok
	Broken Coil Control	ok
Serial Ports	RS485	optional
System	Maximum Driver Managed	24 alfa
	Type	MASTER (eco-alfa), SLAVE (alfa)
	Type of driver connectable	ALFA
	Maximum number of coil	1 for each alfa
	Type of control driver	BUS
Controls	Buttons (nr)	3
Application	Type	Dust collectors

DIMENSIONAL LAY-OUT



DIMENSIONAL LAY-OUT 2

