# SERIAL SOLUTION

## TWO WIRE SYSTEM

## *ECOSERIAL P*

*The Evolution of the ECOSERIAL-1...with a lot more features.*

ECOSERIAL-P is an economizer with built-in differential pressure gauge, able to control up to 30 Remote Pilot Box modules.

It is equipped with a LCD display, through which it is possible to check, in real time, the differential pressure, the end cleaning and start cleaning thresholds, the high pressure alarm threshold, the value of DeltaP with unit of measure, the number of the last EV shot, countdown timer with seconds before the next shot, the next EV number, current operating mode, alarm messages or System OK.

The Remote Pilot Box are controlled by the central unit and, one after the other, until the last element of the series and then it starts again from the first one.

ECOSERIAL-P also features a hour-counter and cycle-counter is able to recognize the presence of the outgoing general charge and to control the charge on every single cleaning valve.

The instrument, properly connected to a GDM-1 or SDM-1 dust meter, is able to detect the broken sleeves in the cleaning filter and to visualize the number of the valve corresponding to the range of the sleeves, which caused the peak of dust's alarm.

On demand, the instrument can be equipped with a 4-20mA or serial RS 485 outputs, to communicate with PCs or PLCs.

It is available both for external installation and on the control panel's front door.

## PRODUCT CERTIFICATIONS

STANDARD

CE

OPZIONALI

c**UL**us

## TECHNICAL SPECIFICATIONS

| Main Features | Features | Values |
|---|---|---|
| Dimensions | External Dimensions ( L x H x W mm ) | 189x103x76,7 |
| Protection | Protection Level (standard) | Panel Installation IP56 |
| Temperature | Working Temperature (°C) | -10... +60 |
| Power Supply | Power Supply Range (standard) | 90-270Vac 50-60Hz |
| | Power Supply Range (optional) | 24Vac/Vdc |
| | Power Consumption | 40W |

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## TECHNICAL SPECIFICATIONS

| Main Features | Features | Values |
|---|---|---|
| Display | Display Type | LCD |
| | Resolution | 128x64 |
| | Display Color (standard) | Amber |
| Inputs | Digital Inputs (nr) | 5 opto-isolated inputs |
| | Pressure Input | ok |
| | Pressure Range | -99/+999mmH2O |
| Outputs | Relay Outputs (nr) | 4 |
| | Relay Output Power | 10A/250Vac, 10A/30Vdc, 5A/250Vac, 5A/24Vdc |
| | 4-20mA Output | optional |
| 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 (standard) |
| | Broken Coil Control | ok |
| | Broken Bag Control with D.Probe | ok |
| Serial Ports | RS485 | optional |
| System | Maximum Driver Managed | 26 RPB |
| | Type | MASTER |
| | Type of driver connectable | RPB |
| | Type of control driver | BUS |
| Controls | Buttons (nr) | 10 |
| Application | Type | Dust collectors |

## DIMENSIONAL LAY-OUT

188,5

103,5

75,8

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