

# ECONET PLUS EC+PLS CONTROL UNIT ECONOMISER 128 SOLENOID VALVES - BUS RS485



## TECHNICAL SPECIFICATIONS

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| Power supply voltage   | 115 Vac 50-60 Hz $\pm$ 10 %  |
| with automatic switch  | 230 Vac 50-60 Hz $\pm$ 10 %  |
| Power supply voltage upon request                                | 24 Vac $\pm$ 10 %  |
| Output voltage for solenoid valves                               | 24 Vdc   |
| Inputs   | from 4 to 20mA x 1   |
| Outputs proportional to the dP value for remote pressure reading | from 4 to 20mA x 1   |
| Solenoid valves output channels                                  | 01 ÷ 128 digital bus   |
| Electric consumption   | 28 Watts at maximum load   |
| Alarm Relays   | 2 normally closed<br>Maximum load: 3A @ 250Vac,<br>2A @ 24Vdc, 24 Vac. |

Serial transmission interfaces of the 485 type with Modbus RTU protocol 1

Output from digital Mosfet for an external relay with coil up to 24 Vdc 1

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|--|--|
| Screen                                     | Backlit monochromatic graphic LCD B/N 128 x 64 pixel |
| 5 x 20 mm glass fuse                       | 115 or 230 Vac 1 x 1 A<br>24 Vac or 24 Vdc 1 x 3 A   |
| Operating temperature                      | -10 °C - 55 °C                                       |
| Storage temperature                        | -20 °C - 60 °C                                       |
| Environmental humidity                     | 0 ÷ 95% Relative non condensing                      |
| Valves opening impulse time                | 50 m.sec. ÷ 10 sec.                                  |
| Interval pause time between valves opening | 1 sec. ÷ 7200 sec.                                   |
| Measurable pressure                        | 0 - 10 kPa   |
| Casing                                     | Base in ABS<br>Lid in Polycarbonate                  |
| Protection rating from water and dust      | IP65 DIN EN 60529                                    |
| Shock resistance                           | IK07 2 Joule (EN62262)                               |

## DESCRIPTION

Economiser for commanding pneumatic cleaning of the industrial dust collector plants, with serial control of up to 128 solenoid valves. It has 2 output relay contacts and 2 digital input contacts.

Differential pressure digital control through internal transducer, which allows the accurate analysis of the filter clogging status.

Luminous LCD screen, which allows to read the following at all times

- the operating status of the unit
- the filter clogging status dP value
- the solenoid valves active and any alarms
- the time remaining until the command of the next jet of air
- the emission value

Interface menu available in five languages.

## OPTIONS UPON REQUEST

- Cable glands for power supply input and output of solenoid valves drive cables.
- Analogue electrical tribo sensor management.
- Zone 22 ATEX Certification.

## REFERENCE STANDARDS

- Directive 2014/30/EC Electromagnetic Compatibility meeting European harmonised standards EN61000-6-2:2005 class B in standard EN61000-6-4:2001
- Directive 2014/35/EU Low Voltage meeting European harmonised standards EN 60947-1:2004

For additional information and technical specifications, consult  
[www.turbocontrols.eu](http://www.turbocontrols.eu)

