

ECONET CONTROL UNIT ECONOMISER

128 SOLENOID VALVES



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 4 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
- time until the command of the next air jet
- the emission value

Interface menu available in five languages.

TECHNICAL SPECIFICATIONS

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 \pm 10 %
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 Maximum load: 3A @ 250Vac, 2A @ 24Vdc, 24 Vac.
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 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 Lid in Polycarbonate
Protection rating from water and dust	IP65 DIN EN 60529
Shock resistance	IK07 2 Joule (EN62262)

OPTIONS UPON REQUEST

- Cable glands for power supply input and output of solenoid valves drive cables.
- 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

