# ECONOMISER FOR DUST COLLECTOR SYSTEMS - E2T

## WITH ΔP DIGITAL CONTROL FROM INTERNAL PRESSURE SWITCH



### TECHNICAL FEATURES

| | |
|---|---|
| Operating temperature | -10°C + 55°C |
| Storage temperature | -20°C + 60°C |
| Solenoid valve pulse width | 5ms - 5s |
| Pause between valve opening | 1s - 999s |
| Measurable pressure range | 0 - 4 kPa |
| Maximum pressure applicable | 16 kPa (0.16 bar) |
| Power supply | 115 VAC 50-60HZ |
| | 230 VAC 50-60HZ |
| | 24 VAC 50-60 HZ |
| | 24 VDC - 25W - 50W (optional) |
| Output voltage selectable among | 24 Vdc, 24 Vac, 115 Vac, 230 Vac |

## DESCRIPTION

Economiser for controlling the pneumatic cleaning of industrial dust collector systems.

Differential pressure digital control through internal transducer, which allows the accurate analysis of the filter clogging status. It has 2 output relay contacts and 2 digital input contacts. Large 3-digit display, which allows you to read the filter clogging status, active solenoid valves, and alarms (if any).

The filter clogging status can be monitored continuously from the difference by reading the pressure difference.

4 operating modes: manual (sequencer), automatic (the cleaning of the filter starts and ends upon reaching settable dP values), automatic with forced cycle, proportional

The economiser allows the cleaning option with the fan off and the precoating function.
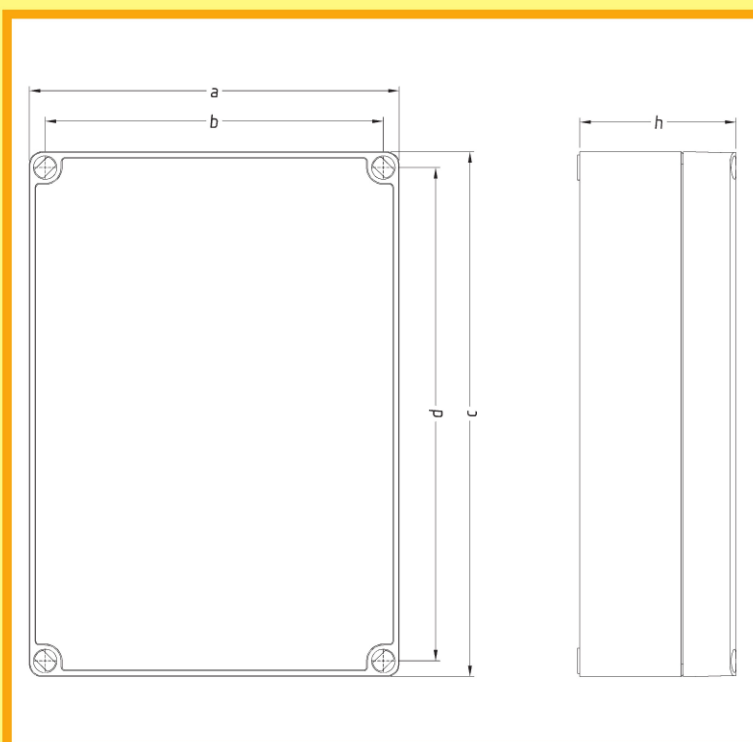
The system detects that the fan is off, when the pressure drops below a settable threshold, or an external contact.

The input and output voltage can be selected via jumper. The pressure is measured in kPa.

The economiser has an output for remote pressure reading. It also has an operation meter for maintenance purposes.



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### REFERENCE STANDARDS

This product complies with the following standards:
Machinery Directive 2006/42/EC "electromagnetic compatibility" meeting EU
harmonised standards EN61000-6-2:2005 class B of EN61000-6-4:2001
Low Voltage Directive 2006/95/EC
meeting EU harmonised standards
EN 60947-1:2004

### Dimensions

Up to 8 inputs => a=175, b=160, c=175, d=160, h=75
Over 8 inputs => a=175, b=160, c=250, d=235, h=75

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