

SEQUENCER FOR DUST COLLECTOR SYSTEMS - E1T



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
Power supply	115 VAC 50-60HZ
	230 VAC 50-60HZ
	24 VAC 50-60 HZ
	24 VDC - 25W - 50W (optional)
Output voltage	24 VDC
	24-115-230 VAC 50-60 HZ
	(selected via jumper)

DESCRIPTION

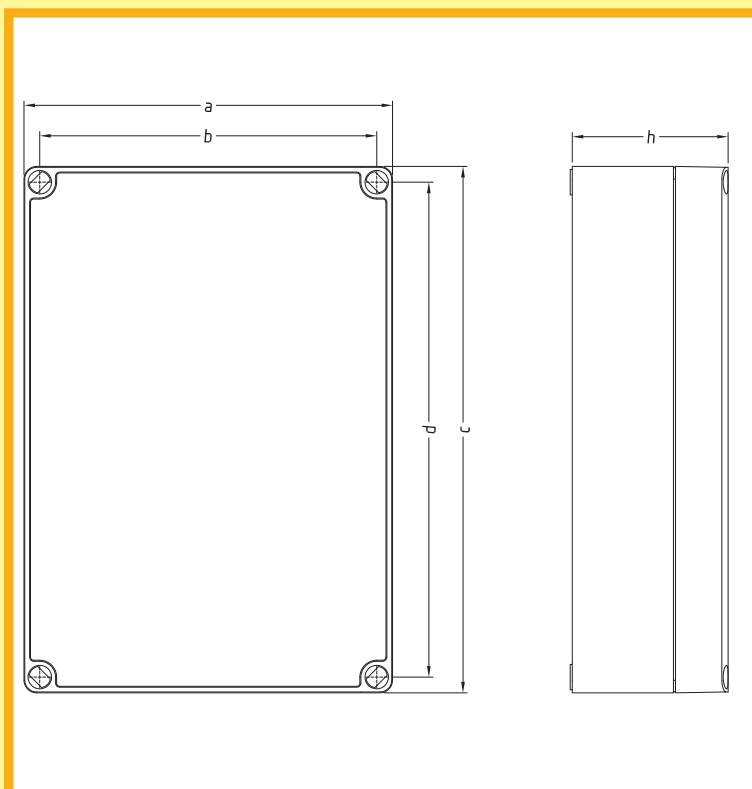
Sequencer for controlling the pneumatic cleaning of industrial dust collector systems.

It has 2 output relay contacts and 2 digital input contacts. 0.8" 3-digit 7-segment LED display, which allows you to read the timer operating status, active solenoid valves, and alarms (if any).

You can set the pulse width, pause between solenoid valves, and number of solenoid valves to clean from the configuration menu.

You can also determine the status (on/off) of the fan through the input contact of the terminal board.

In the event that the fan is off, you can programme a certain number of cleaning cycles (cleaning with fan off). You can define the pause between one solenoid valve and the other also for these cleaning cycles.

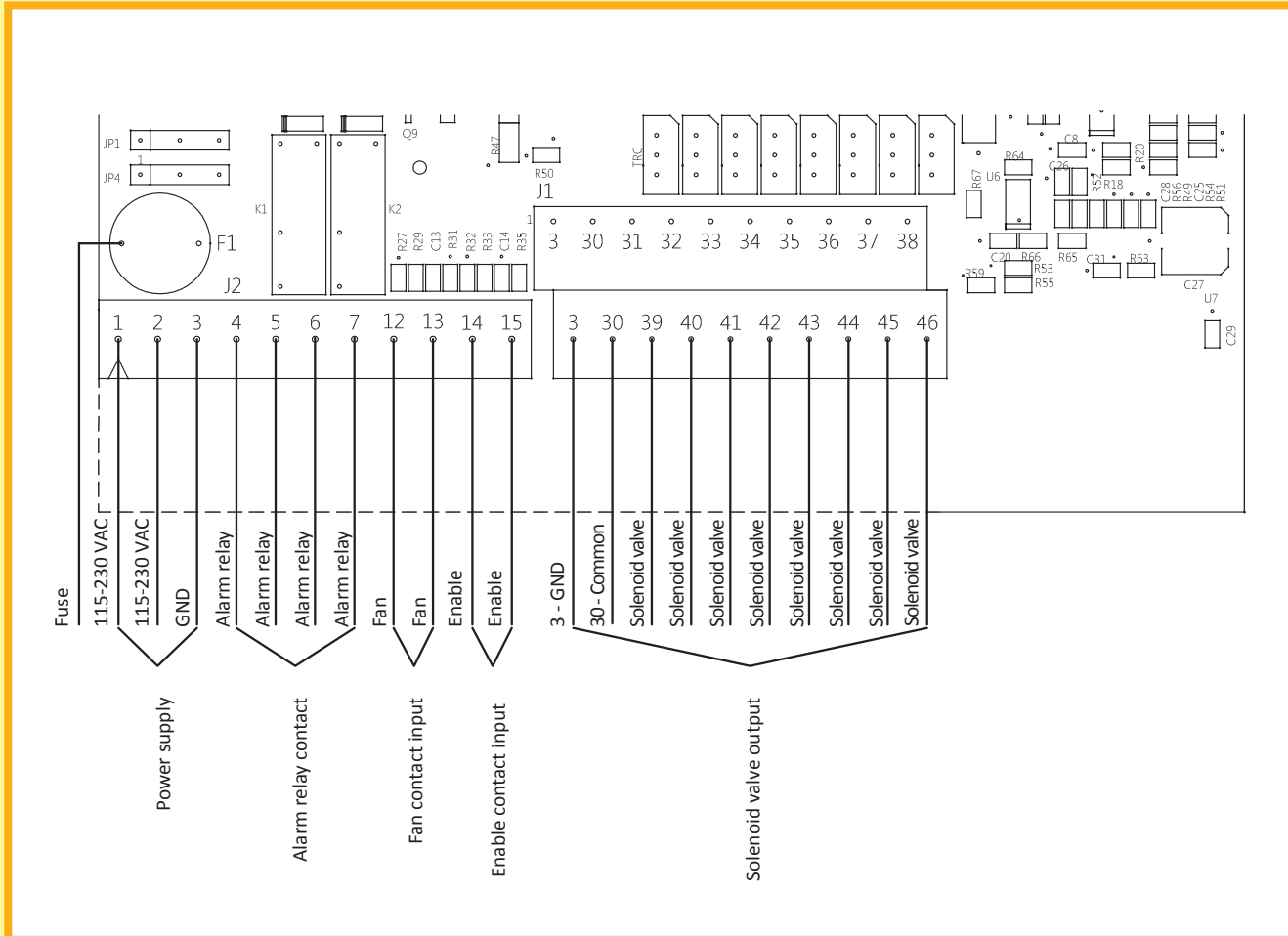


REFERENCE STANDARDS

This product complies with the following standards:
 Machinery Directive 2006/42/EC "electromagnetic compatibility" meeting harmonised EU standards 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



FUNCTIONS DESCRIPTION

FUNCTIONS	DESCRIPTION
F02	F02 solenoid valve activation time (0.05s - 5s)
F03	Cleaning pause between solenoid valves (1s - 999s)
F04	Number of connected outputs (01-16)
F05	Cleaning pause between solenoid valves (1s - 999s)
F06	Cleaning pause between solenoid valves (1s - 999s)
F13	Number of post-cleaning cycles, fan off (1-99 cycles)
F14	Post-cleaning pause between solenoid valves (1s - 999s)
F15	Maintenance interval expressed in tens of hours
F16	Maintenance alarm enabling (0 disabled; 1 enabled)
F17	Maintenance meter reset

FUSE

1 X 1 A => 230 Vac
1 X 2 A => 115 Vac
1 X 3 A => 24 Vac (optional)
1 X 3 A => 24 Vdc (optional)

CONTAINER

Base material: ABS
Cover material: polycarbonate
IP65 water and dust protection (EN60529)
IK08/07(8J) impact resistance (EN62262)

WARRANTY

The warranty has a duration of 2 years, during which the company will replace any defective electronic component.

The warranty is void in the event of signs of tampering and unauthorised repairs, misuse of the equipment, improper electrical connections, failure to comply with system standards, use non-compliant with EC standards, weather events, such as lightning, overvoltage, clogged pneumatic connections, damaged pipes.

ELECTRONIC SYSTEMS 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

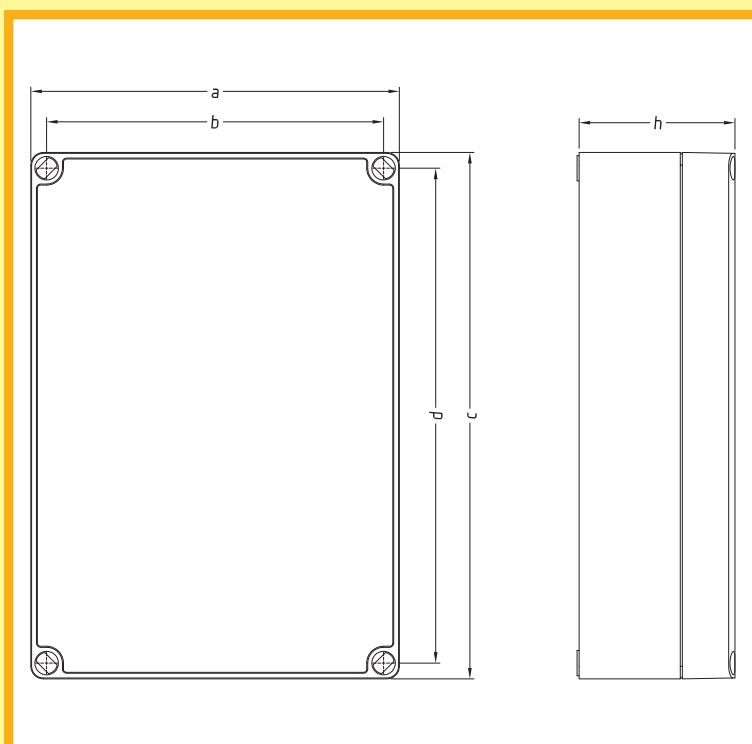
dP values), automatic with forced cycle, proportional

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.



REFERENCE STANDARDS

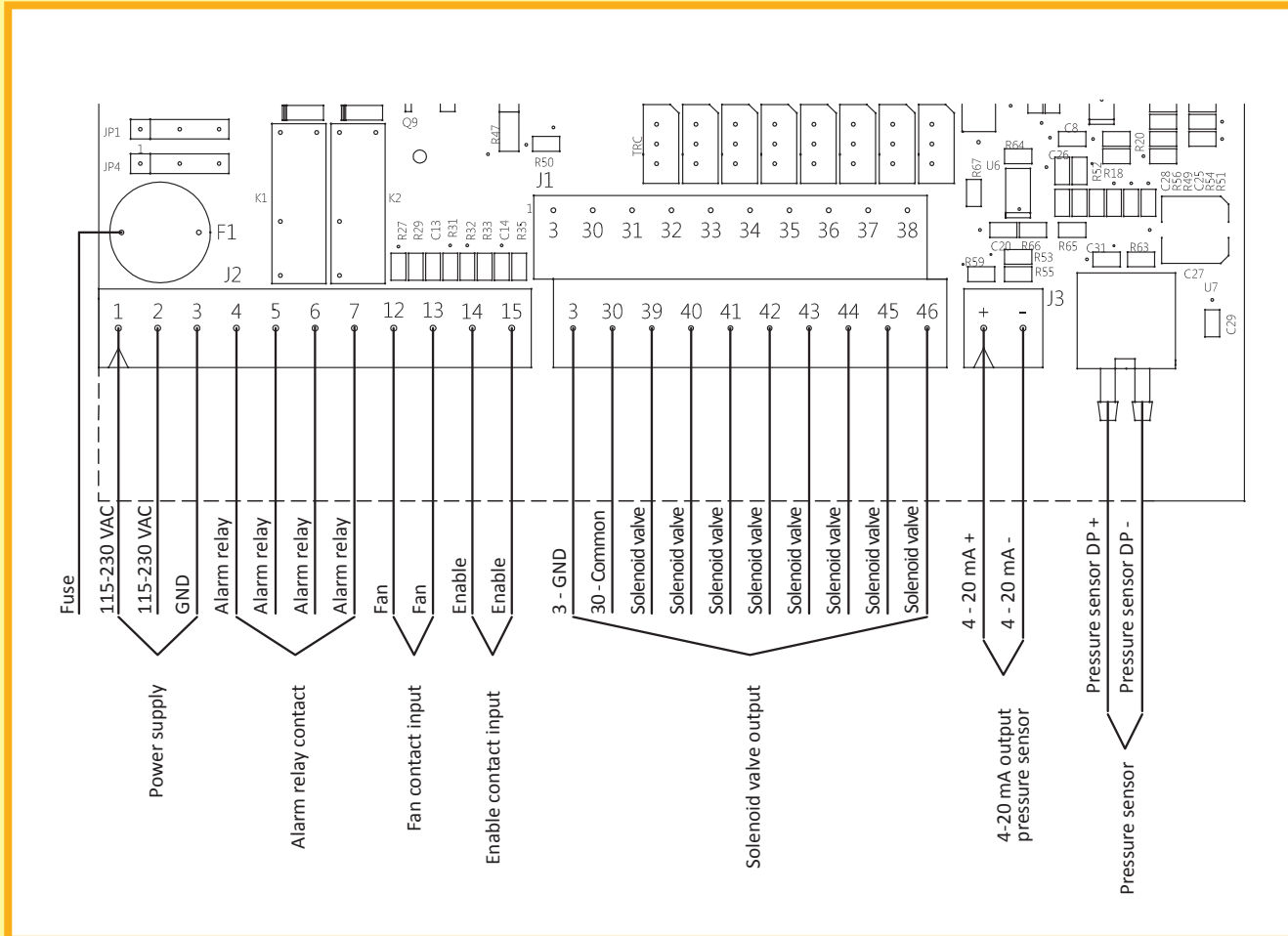
This product complies with the following standards:
Machinery Directive 2006/42/EC "electromagnetic compatibility" meeting EU harmonised standards EN61000-6-2:2005 class B of EN61000-6-4:2001
Low Voltage Directive 2006/95/EC meeting EU harmonised standards EN 60947-1:2004

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

E2T - ECONOMISER FOR DUST COLLECTOR SYSTEMS

WITH ΔP DIGITAL CONTROL FROM INTERNAL PRESSURE SWITCH



FUNCTIONS DESCRIPTION

FUNCTIONS	DESCRIPTION
F01	Automatic setting with dP (1), manual setting (0) Automatic cycle forced (2), Automatic proportional (3)
F02	Solenoid valve activation time
F03	Cleaning pause between solenoid valves during a normal cycle
F04	Number of outputs
F05	Output voltage: dc24V, ac24V, ac115, ac30
F06	Manual solenoid valve activation
F07	Zero dP threshold
F08	Start cycle dP threshold
F09	Stop cycle dP threshold
F10	Max dP
F11	Fan mode: 0 from contact; 1 from dP
F12	Fan dP threshold (if F11 = 1). If it goes down, fan off
F13	Number of cycles after the fan stops
F14	Pause between solenoid valves during a cycle with the fan off
F15	Maintenance interval in 10 h (1=10h, 100=1000h)
F16	Alarm maintenance enabling (1) or disabling (0)
F17	Maintenance meter reset 1 upon confirmation => reset
F18	Precoating enabling (1) or disabling (0)
F19	Precoating dP threshold (if F17=1)
F20	Alarm enable minimum DP
F21	Alarm threshold minimum DP
F22	Interval time of inactivity to forced cycle

FUSE

- 1 X 1 A => 230 Vac
- 1 X 2 A => 115 Vac
- 1 X 3 A => 24 Vac (optional)
- 1 X 3 A => 24 Vdc (optional)

CONTAINER

- Insulating and self extinguishing polycarbonate
- Water and dust protection: IP65 (EN60529)
- IK08/07(8J) impact resistance (EN62262)

WARRANTY

The warranty has a duration of 2 years.
The warranty is void in the event of signs of tampering and unauthorised repairs, misuse of the equipment, improper electrical connections, failure to comply with system standards, use non-compliant with EC standards, weather events, such as lightning overvoltage, clogged pneumatic connections, damaged pipes.