

# Sequencers for Dust Collector Systems

$\Delta P$  control via internal pressure sensor for the control of up to 48 solenoid valves



Series  
E909DC

## Features

- Electronic controller for the control of solenoid valves in dust collector systems
- Integral  $\Delta P$  sensor for ON/OFF filter cleaning cycles
- Microprocessor management
- Standard supply voltage and output voltage selectable via jumper
- 5 programming keys
- Alphanumeric display, multilingual
- Adjustable pulse and interval times
- Automatic detection of number of valves
- Additional post-cleaning cycle mode
- High immunity from external interference
- Short-circuit protection of every single output
- 3 output relay (e.g. group alarm), 3 digital inputs (volt-free)



## Construction

<b>Housing</b>	ABS (acryl nitrile butadiene styrene), grey
<b>Cover</b>	PC (polycarbonate), transparent

## Electrical Characteristics

<b>Standard supply voltage</b>	AC (~) 230/115 V	
<b>Output voltage</b>	DC (=) 24 V	
Other voltages on request		
<b>max. load power per output</b>	<b>ambient temperature</b>	<b>electrical enclosure protection</b>
<b>(W)</b>	<b>(°C)</b>	
25	-10 to 50	IP65

## Specifications

Number of solenoid valves <sup>(1)</sup>	Adjustable pulse time	Adjustable interval time	tube connection for $\Delta P$ sensor	Size	Catalogue number
	sec.	sec.	$\emptyset$ mm		
4	0,05 – 5,0	1 – 999	6/4	1	E909DC4MU7.4
8					E909DC8MU7.4
12					E909DC12MU7.4
16					E909DC16MU7.4
24				2	E909DC24MU7.2
32				E909DC32MU7.2	
48				3	E909SC48MU9.25

(1) up to 192 valves on request.

**Options** (on request)

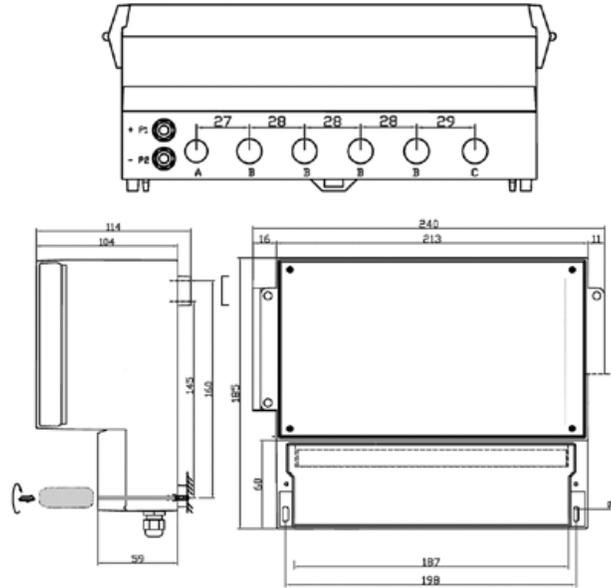
- Other voltage ratings, other housings and devices with ATEX approval

**Installation**

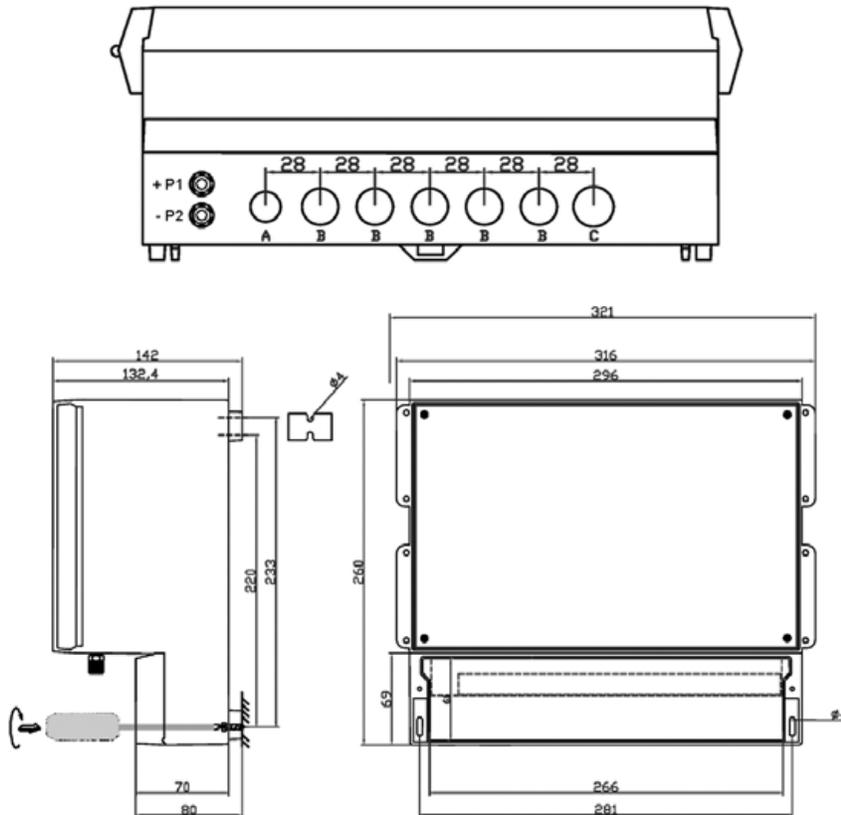
- Installation/maintenance instructions are included with each sequencer

**Dimensions (mm), Weights** 

Size 1



Size 2



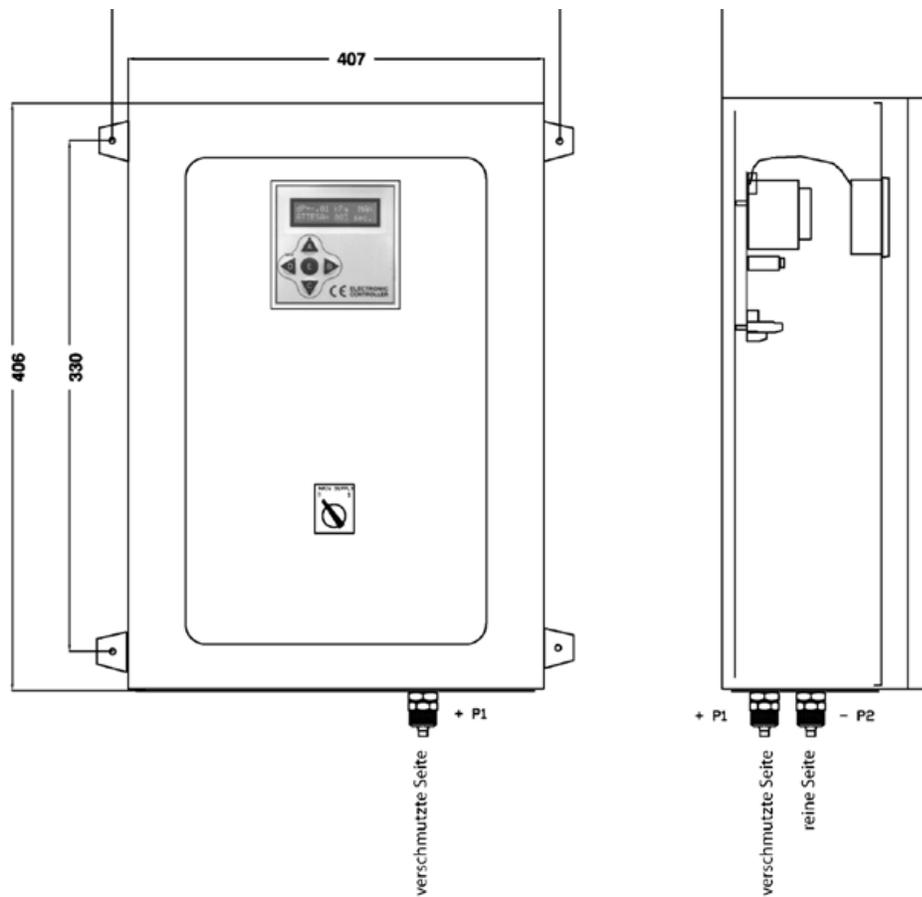
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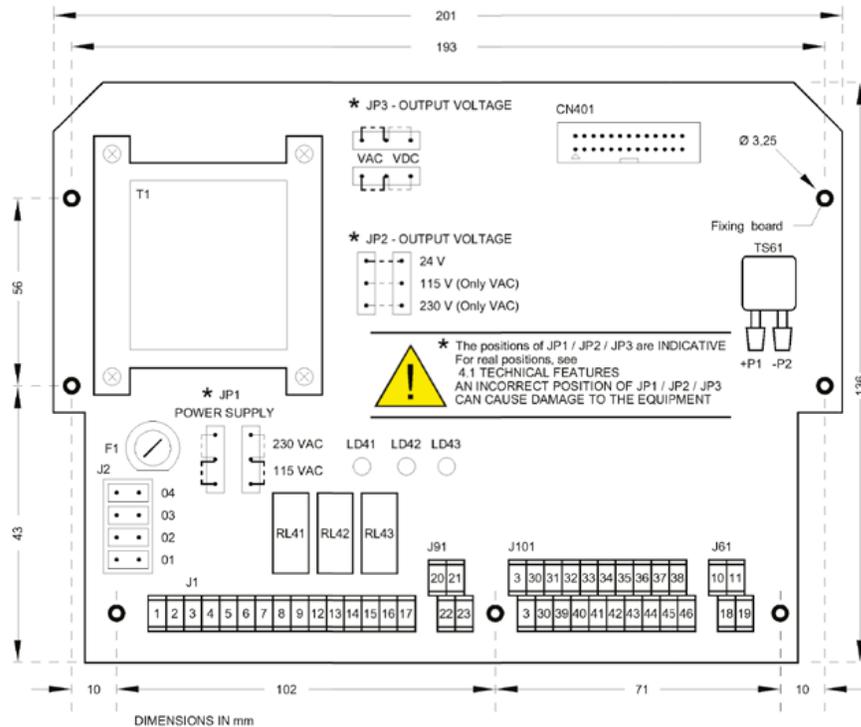
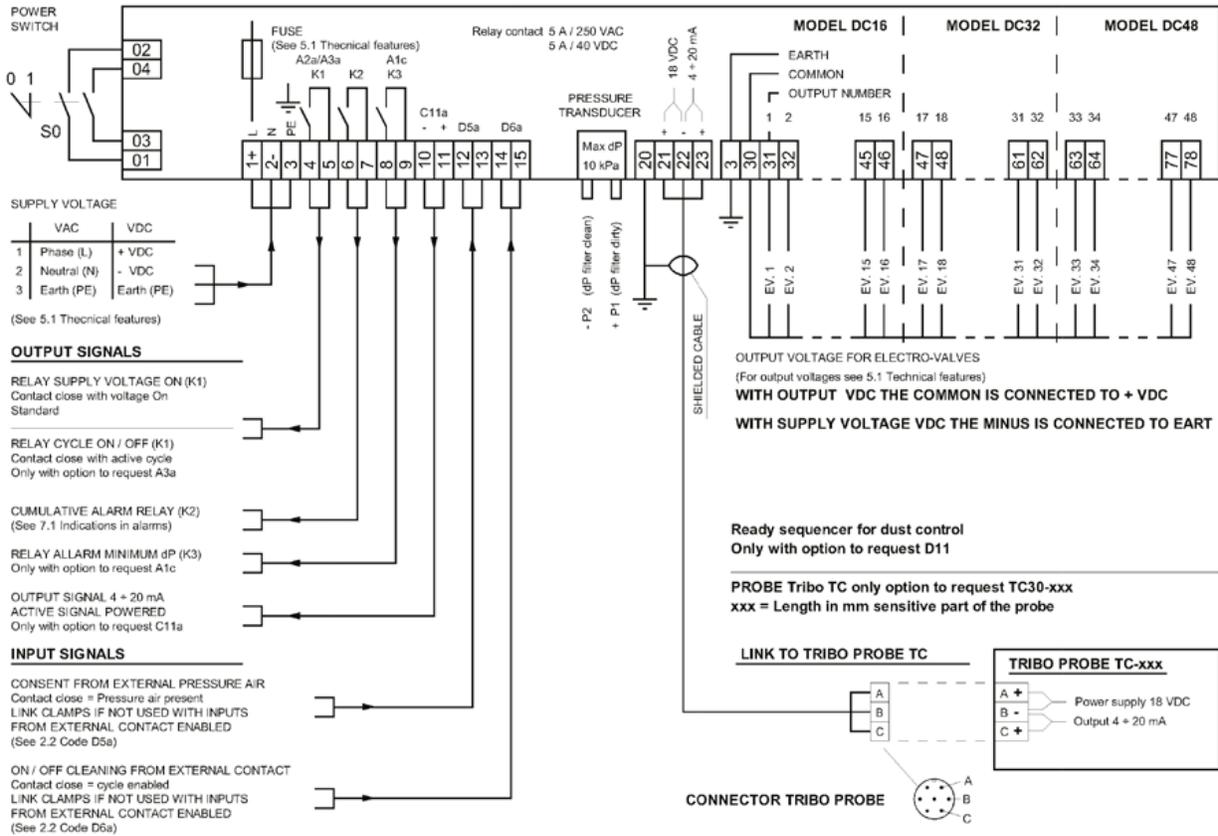
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## Dimensions (mm), Weights

Size 3



## Wiring Diagram



LEGEND	
CN401	Front panel flat cable connector
F1	5x20 Line protection fuse
J1	Supply voltage and I/O connection clamps
J2	Power switch connection clamps
J61	Analog signal connection clamps (option)
J91	TC probe connection clamps (option)
J101	Ev. connection clamps.
JP1	Supply voltage selection jumper
JP2	Output voltage selection jumper
JP3	Output voltage AC/DC selection
LD41	Green led relay K1 On indication
LD42	Green led relay K2 On indication
LD43	Green led relay K3 On indication
RL41	Output relay K1
RL42	Output relay K2
RL43	Output relay K3
T1	Input transformer
TS61	Differential pressure transducer
+P1	dP pressure side dirty
-P2	dP pressure side clean