

Product SPECIFICATION SHEET

40 CHANNEL VALVE TIMER IP56 110/220VAC + CARD

MOD-420

DESCRIPTION

AEX6 is specifically designed for use with pneumatic dust collector systems. It comprises of a microprocessor and a logic analysis & control circuit, with an output of 10, 20 points (up to 620 points with an expansion board) to control the solenoid of the diaphragm valve which in turn controls the pulse jet sequence of the valves, thus achieving the dust collector's main objective of cleaning the bag filter. The LED display panel indicates the current pulse jet position. Pulse Jet time and interval time can be adjusted. The number of control points can also be adjusted and increased. Wide application range, with user-friendly operation. It has an external current input terminal, which can be connected to a differential pressure transmitter or used for dust concentration detection. When the current reaches the set value, the fabric bag is attached to a greater degree, and the pulse jet interval is automatically shortened to improve the efficiency of bag cleaning. Continuous low current indicates that the fabric bag has broken and pressure has reduced. A built-in relay contact can be used as an alarm output.



FEATURES

- Digital display for easy operation and real-time control of operation status.
- Microprocessor control – accurate and precise operation.
- Remote control function – convenient to start and stop operations.
- Able to automatically execute pulse jet cycle even after system shuts down, therefore preventing clogging caused by damp and dust residue in the fabric bag.
- Waterproof and dustproof outer box can be purchased to extend the service life.
- Number of output points can be increased up to 620 points.
- It can be connected to 4~20mA input (differential pressure or dust detection) when the set value is reached. Interval time is automatically shortened to improve performance, with a Relay output to warn when the fabric bag is broken.

BRANCH CONTACT DETAILS

Johannesburg	010 202 3300
Germiston	011 418 9600
Cape Town	021 510 0710
Pinetown	031 700 4215
Riverhorse	031 492 4800

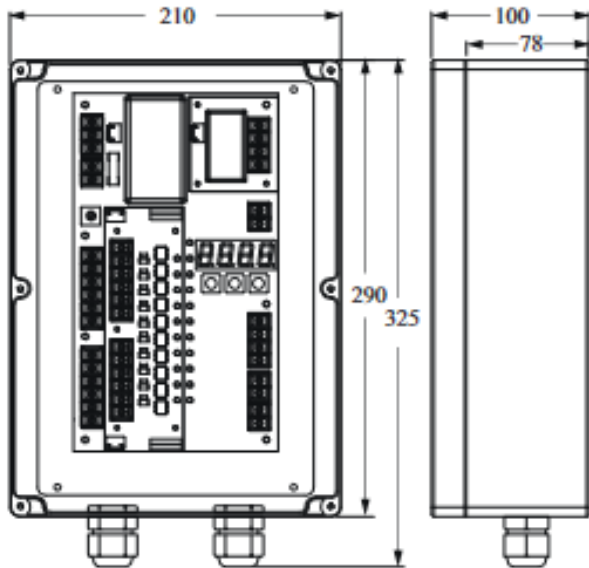
NATIONAL CALL CENTRE

Sales 010 202 3400
Technical 010 202 3500

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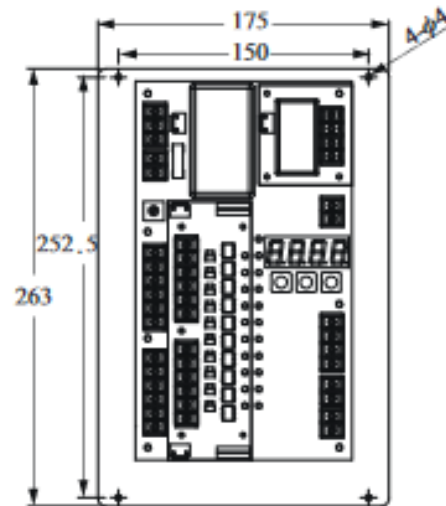
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Outer Box

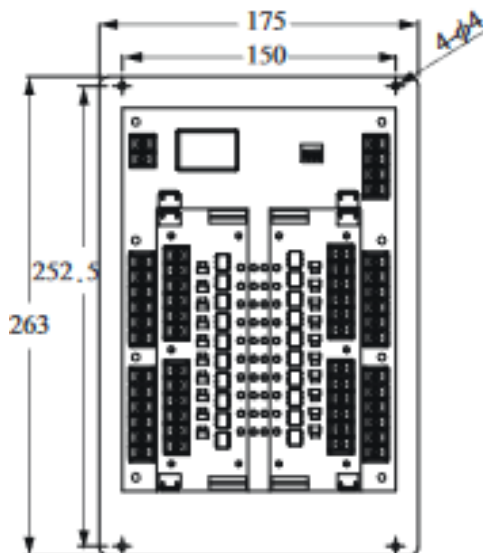


Measurement Motherboard

(Unit:mm)



Expansionboard



Moduleboard



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SPECIFICATION

Item	Specification	
	Motherboard	Expansionboard
Power supply	100~240Vac \pm 10%, 50/60 Hz	100~240Vac \pm 10%, 50/60 Hz (Power input must be provided by the motherboard)
Power consumption	3 VA (excluding output)	
Operating temp.	-20°C~70°C	
Operating humidity	RH 20~85%	
Output type (optional)	AC Output: consistent with power supply voltage, max. 1A DC Output: 24V, max. 1.25A	
Output point (optional)	10 · 20	20 · 30 · 40
Pulse jet interval	1~999 seconds	
Pulse jet time	10 milliseconds ~ 9990 milliseconds	
Shutdown cycle function	Yes	
Remote control function	Yes	
4~20mA input (optional)	Yes	
Alarm output contact	SPST 3A 250Vac / 24Vdc	
Outer box (optional)	210 × 290 × 100, box ABS cover PC	

AEX6 Suggested Configuration

	10 point	20 point	30 point	40 point	50 point	60 point
Motherboard	1	1	1	1	1	1
Expansionboard	0	0	1	1	1	1
Module board	0	1	0	1	2	3

	70 point	80 point	90 point	100 point
Motherboard	1	1	1	1
Expansionboard	2	2	2	2
Module board	2	3	4	5

- ※ Motherboard is necessary for all different combinations of expansion/ module boards
- ※ Min. port numbers: Motherboard: 10 points/ Expansionboard: 20 points/ Module board: (fixed 10 points)
- ※ Referred to above table for suggested combinations for 10 ~ 100 points, it can be up to 620 points as maximum.

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AEX 6 ⁰⁵ ⁰⁶ 0 0 - ⁰⁹ ¹⁰ ¹¹ ¹²

05 06 Output type

0A: Sequence control + AC output
0D: Sequence control + DC output

09 External input

N: None
I : 4~20mA input

10 Outer box

A: None
B: Yes

11 12 Control point(s)

01: 10 points
02: 20 points
03: 30 points
⋮
62: 620 points

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