

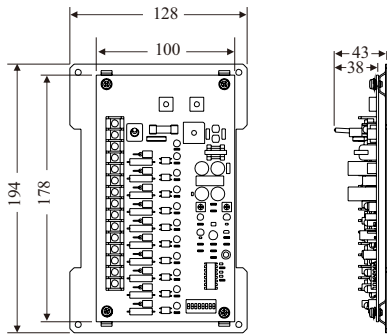
AE71□D (AEX40100-□C) Sequential Controller for Dust Collector System Operation Manual

Application

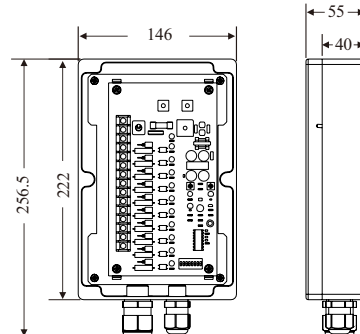
Sequential Controller is applied to control solenoid valve. Pulse time, pulse interval time, numbers of controlled solenoid valve are adjustable. Remote control is available, easily operated.

Dimension

AE710D



AE711D



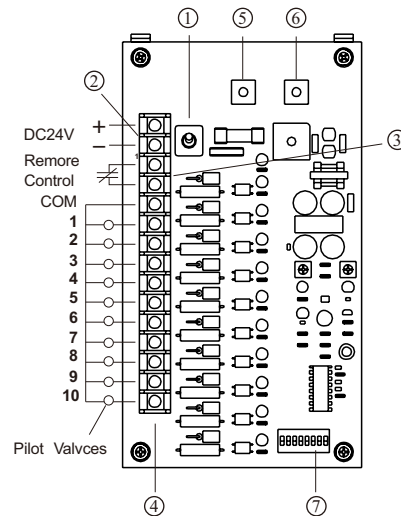
Specifications

- Power supply: 24Vdc $\pm 10\%$ isolated
- Operation temperature: $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$
- Ambient TEMPerature: $-25^{\circ}\text{C} \sim 75^{\circ}\text{C}$
- Numbers of sequential control: 1~10 points
- Pulse time adjustable range: 20~200ms
- Pulse interval time adjustable range: 2~60 sec
- Output: Thyristor
- Output capacity: DC 24V / 4A
- Case material: ABS V2

Terminals

- ① Power on/off .
- ② Power supply terminal: DC+ 、 DC- .
- ③ Remote control : If remote control is not required , please do not take off the short-circuit chips on P1 、 P2 .
- ④ Output terminals: Terminals 1~10 are connected with solenoid valves. COM is common contact of solenoid valves.

Sketch



Pulse Interval Time

Adjust ⑤ for pulse interval time settings .
(2~60 sec)

Pulse Time

Adjust ⑥ MSEC for pulse time settings .
(20 ~200ms)

Cleaning Cycles Setting

Adjust ⑦ for cleaning cycles. When switch 1 is ON, other switches remain OFF, which means cleaning cycles for solenoid valves 1~2. When switch 2 is ON, other switches remain OFF, which means cleaning cycles for solenoid valves 1~3.
(Cleaning cycles for 1~10 solenoid valves, all switches are OFF.)

NO. of sequence & STEP Switch Reference table					
Cleaning Cycles	2	3	4	5	6
Switch	ON ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	ON ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	ON ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	ON ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	ON ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

NO. of sequence & STEP Switch Reference table				
Cleaning Cycles	7	8	9	10
Switch	ON ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	ON ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	ON ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	ON ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

★ The product can be operated after the above wiring and settings are finished

Trouble Shooting

Symptom	Cause	Solution
Power supply /light off	No power supply	Check power supply
	Fuse blown	Change fuse
No activation	P1 、 P2 short-circuit chips are missing, or bad contact	Check P1 、 P2 short-circuit chips
Cleaning cycles do not work	Wrong settings	Check cleaning cycles setting



FineTek Co.,Ltd.

No.16, Tzuchiang St., Tucheng Industrial Park, New Taipei City 23678, Taiwan.
Tel: 886-2-22696789 Fax: 886-2-22686682
Email: info@fine-tek.com http://www.fine-tek.com



08-AE71XD-B3-EM,12/04/2018



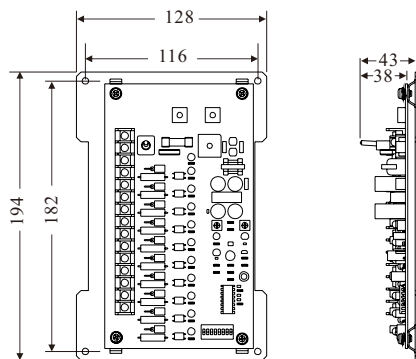
AE71□D (AEX40100-□C)集塵機用順序控制器操作說明

應用環境與特性

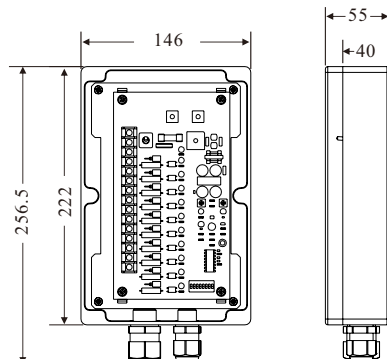
集塵機用順序控制器設計用來控制導氣電磁閥。噴氣時間及噴氣間隔時間、控制導氣電磁閥的點數可調整，且具有遠端控制，廣泛應用與操作方便。

外型尺寸

AE710D



AE711D



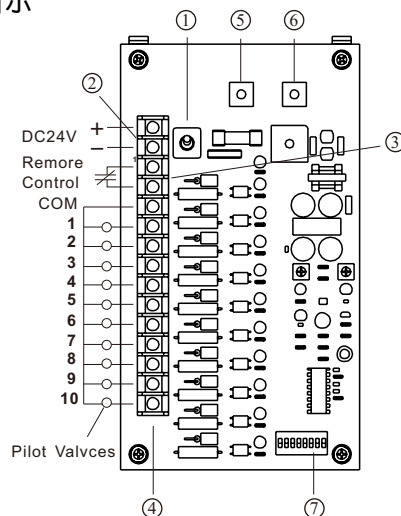
規格

- 工作電源：24VDC $\pm$ 10% 隔離式直流電源
- 工作溫度：-20°C ~ 70°C
- 環境溫度：-25°C ~ 75°C
- 順序步進數：1~10
- 噴氣時間可調整範圍：20~200毫秒
- 噴氣間隔時間可調整範圍：2~60秒
- 輸出接點：閘流體
- 輸出容量：DC 24V/4A
- 外箱材質：ABS V2

接點說明

- ① 搖頭開關：ON (電源開)、OFF (電源關)。
- ② 電源端子：端子DC+、DC-。
- ③ 遙控接點：主要作用為遠端控制，若不做此控制時，請勿將P1、P2上的短路片拆除。
- ④ 輸出端子：此部份端子1~10連接至電磁閥(+)，COM為電磁閥(-)的共同接點。

接點圖示



噴氣間隔時間調整

將③之SEC調整器調至使用者所需之時間。(2~60秒)

噴氣時間調整

將⑥之MSEC調整器調至使用者所需之時間。(20~200毫秒)

循環點數選用

將⑦之STEP Switch指撥開關調至使用者所需的噴氣數量循環設定，當指撥開關調1至ON其餘OFF，表示1~2作順序噴氣；當指撥開關調2至ON其餘OFF，表示1~3作順序噴氣，以此類推。(噴氣數10個指撥開關全部切換在OFF位置)

循環動作點數及指撥開關對應圖					
循環點數	2	3	4	5	6
開關					

循環動作點數及指撥開關對應圖						
循環點數	7	8	9	10		
開關	ON 12345678	ON 12345678	ON 12345678	ON 12345678		

※完成上述步驟之接線及調整後即可通電運作。

故障排除

狀況	原因	排除方法
電源顯示燈不亮	外部未供電	請檢查電源端子有無電源輸入
	保險絲燒斷	更換順序控制器中的保險絲
完全沒有順序控制動作	P1、P2短路片為拆除或接觸不良	請確定遙控接點上的短路片是否鎖緊
部分順序控制無法動作	循環點數設定錯誤或不足	檢查循環點數設定是否正確



恒達科技股份有限公司

23678 新北市土城工業區自強街16號
Tel: 886-2-22696789 Fax: 886-2-22686682
Email: info@fine-tek.com http://www.fine-tek.com



8-AE71XD-B3-CM, 12/04/2018

