Sequential Controller Operation Manual

■ Panel and Terminal Diagram

■ AE110A

■ AE120A
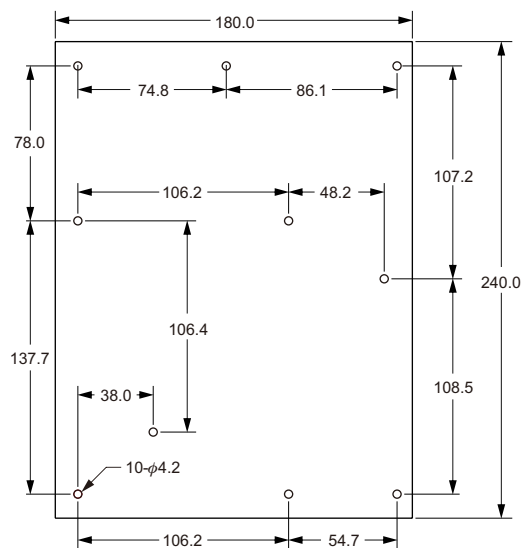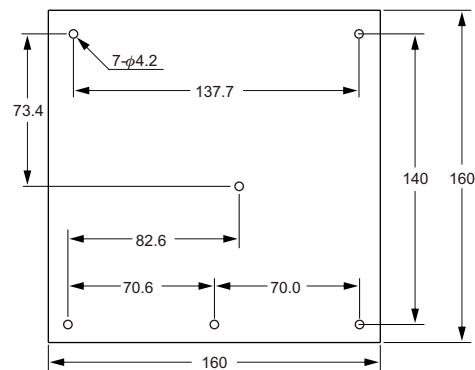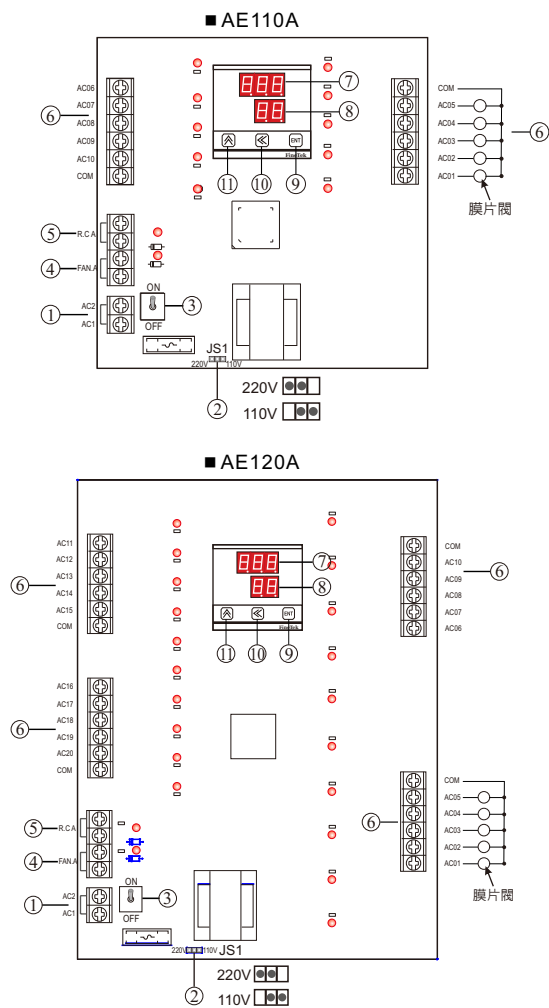
■ Operation Panel

⑦ Upper Display ⑨ ENTER [ENT] (SW1) ⑪ INCREASE [⋀] (SW3)
⑧ Lower Display ⑩ SHIFT [≪] (SW2)

■ Terminal Description

① **Power supply:** (AC1, AC2)

The Controller is able to select AC110V or 220V,-10%,+20% 50/60Hz

② **Power supply selection:** (JS1)

Please select the power supply AC 110V or 220V.

③ **Power switch** (ON/ OFF)

④ **Fan control input:** (FAN.A)

This function is used to complete Auto-Shutdown cleaning cycle before controller stopped. When this contact is closed, controller running regulary. When this contact is open, controller will run Auto-Shutdown cleaning cycle (defined by "CLC" setting). This function is purposed to prevent dust clogged on the bag.

⑤ **Remote control input:** (R.C.A)

If remote control is required, please remove the short circuit, then, extend the wiring to remote site. When the remote input is open circuit, the controller will stop operation, when the remote input closed circuit, the controller resumes normal working operation.

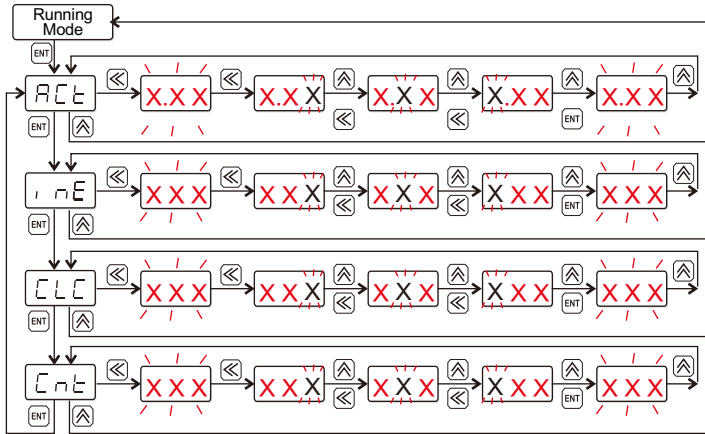⑥ **Solenoid terminals:**

Terminals are connected to solenoids.

■ Description of Running

Upper Display	Function
999~000 S	Time to next purge

Lower Display	Function
00 ~ nn	Next solenoid number

■ Description of Panel Setting

Upper Display	Function	Range (Time error)
ACt	Purge time	0.01~9.99 S ± 5mS
int	Purge period	00 1~999 S ± 0.1S
CLC	Auto-Shut-Off cleaning	000 ~ 099 times
Cnt	Number of solenoid	000 ~ nn

Lower Display	Function	Range
00 ~ nn	Number of solenoid	01~ 10 ports (AE110)
00 ~ nn	Number of solenoid	01~20 ports (AE120)

■ Panel Setting Flowchart

● Simple Troubleshooting

Status	Problem	Troubleshooting
The display isn't ON.	1. Check the power supply or toggle switch to see if it's switched on. 2. The fuse is blown.	1. Rebooting the power or switch on the toggle switch. 2. Replace a new fuse (3A/250V)which is along with the controller.
The display is ON, but diaphragm valve isn't operated.	1. Supply inappropriate power to cause transformer damaged. 2. The power of solenoid valve isn't matched up the controller. 3. The jumper of input contact in exhaust fan was removed. 4. The jumper of remote contact was removed.	1. Kindly contact FineTek local distributor. 2. Switch the power selector to match up the solenoid valve. 3. Kindly add a jumper to input contact A of exhaust fan. 4. Kindly add a jumper to R.C.A contact.
Air exhaust control abnormal	1. Air exhaust timing and interval of timing inappropriate setting. 2. Air exhaust working number inappropriate setting.	Check the parameter settings and Key in appropriate timing, interva of timing and working number.
Air leakage	1. Inappropriate position (air outlet/ inlet)of solenoid valve installation. 2. Particle inside the solenoid valve or diaphragm valve. 3. Electric leakage of solenoid valve.	1. Check the installation and air inlet position of solenoid valve. 2. Clean up the solenoid valve or diaphragm valve and rebooting the power. 3. Check the wiring of solenoid valve.