

# CYM Series (Three Units)



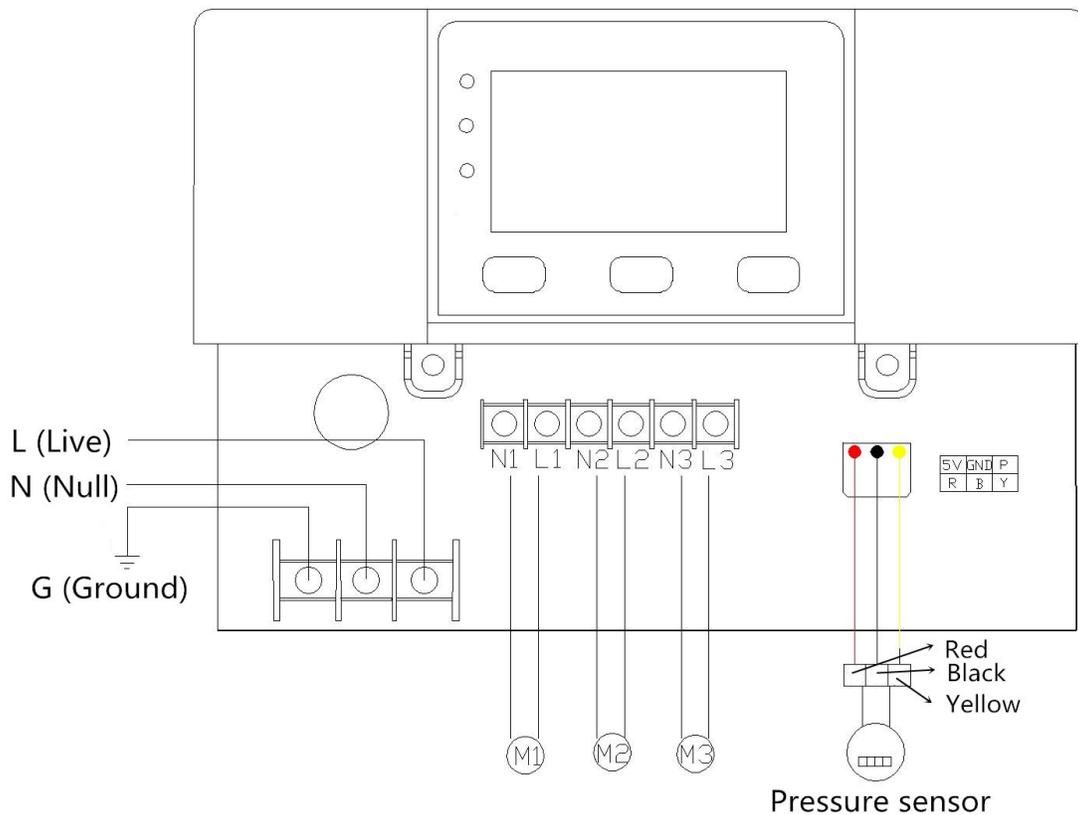
Model	Specifications
CYM-E3	Max pressure: 8.0Bar; Max power: 220V->2.2KW; 110V->1.1KW;
CYM-F3	Max pressure: 10.0Bar; Max power: 220V->2.2KW; 110V->1.1KW;

## 1. FUNCTION INTRODUCTION

- 1.1. With time delay start function. Each air-end is independently controlled.
- 1.2. Real-time monitoring of pressure, current and voltage.

- 1.3. Real-time monitoring of over-voltage, under-voltage and over-current. Abnormal immediately alarm, display specific alarm reasons.
- 1.4. Pressure range can be set as required.
- 1.5. Two standard operating voltage (220V/120V) can be free to switch.
- 1.6. Two pressure units (Bar/Psi) can be free to switch.
- 1.7. Custom set the number of controllable air-end.
- 1.8. Display equipment running time.

## 2. INSTALLATION GUIDE



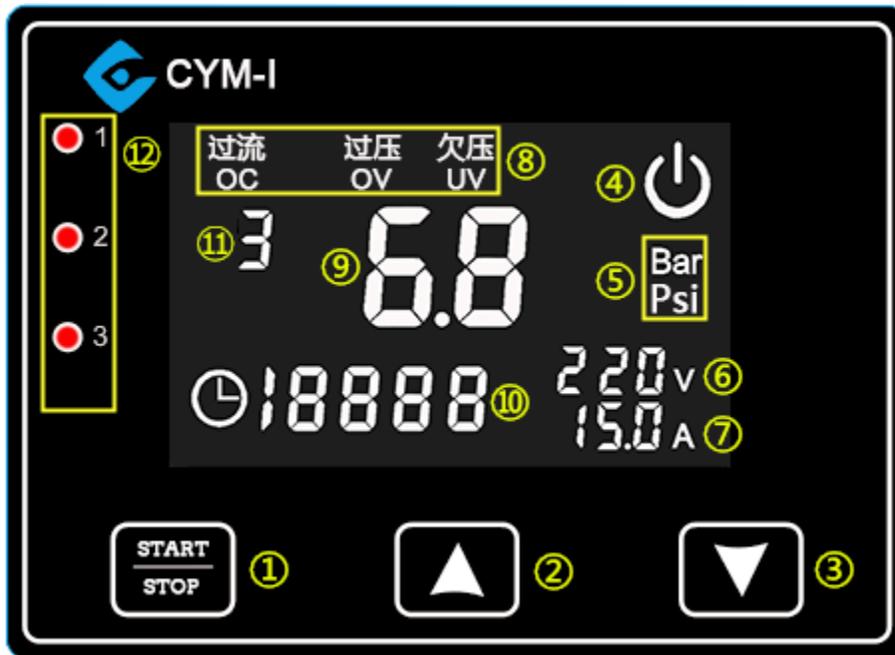
WIRING DIAGRAM OF CONTROLLER

- 2.1. Install the sensor: **The Lead end must be installed face up.**
- 2.2. Wiring: Wiring in strict accordance with the wiring diagram.
- 2.3. First start: **All valves must be closed. Open the equipment to achieve the maximum pressure, then can be used for normal use.** (If there is the alarm phenomenon of over-current, locked-rotor

and so on for the first time to start the equipment, reset to the factory settings before the operation above).

### 3. OPERATION PANEL & BUTTONS

#### 3.1 OPERATION PANEL INTRODUCTION



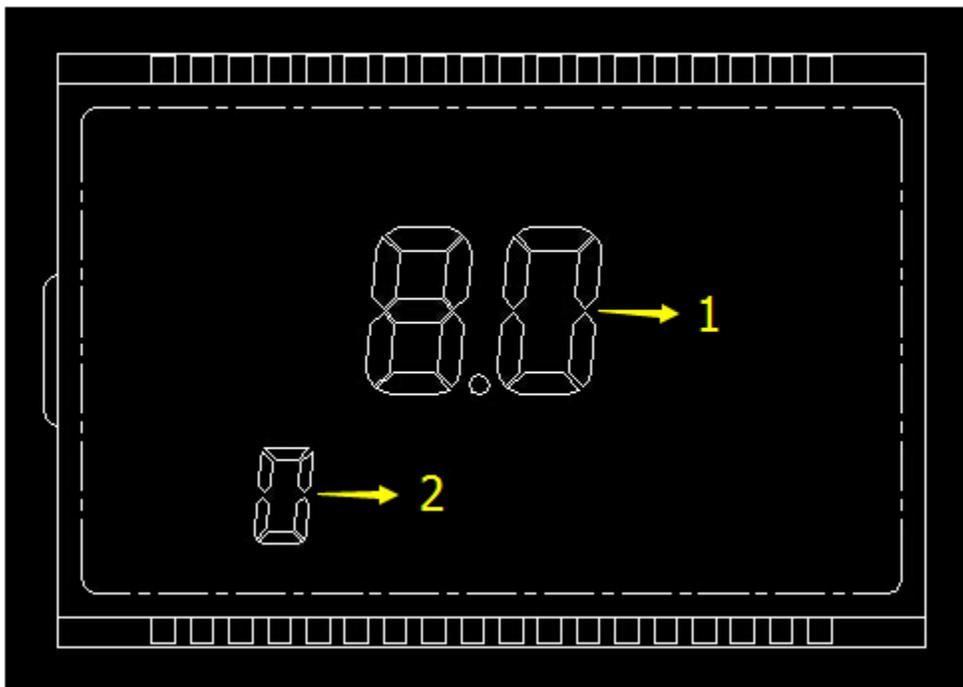
1. Power key
2. “↑”key
3. “↓”key
4. Running state
5. Pressure unit
6. Current voltage
7. The current
8. Cause of failure
9. Current air pressure
10. Running time
11. Controllable air-end number
12. Indicator lights of air-end

#### 3.2 BUTTONS INTRODUCTION

- 1) Setup interface: Long press the “start/stop” button and “↓” key 6s at the same time to show setup interface. Click the start/stop button to switch settings.

- 2) Save settings: a) Long press the “start/stop” button and "↓" key 6s at the same time to save the parameters. b) After setting the parameters, wait for 10s, it will automatically exit from the setup interface and save the parameters.
- 3) Remove disable: In the shutdown state, long press “start/stop” button 3s to remove disable.
- 4) Switch pressure unit: Click the "↓" key to switch pressure unit ( Bar /Psi).
- 5) Factory setting: Long press the three buttons 6s at the same time to restore the factory default settings.
- 6) View the reference current: Long press "↑" to view the reference current.

APPENDIX: AIR PRESSURE SETTING INTERFACE ILLUSTRATION, INDEX VALUE AND SETTING PARAMETERS RELATIONAL TABLES



Index	Setting Parameters
1	Set maximum pressure: 8Bar (Default)
2	Set minimum pressure: 6Bar (Default)
3	Standard voltage (V) : 220 (Default) /110
4	Number of controlled pump: 2/3
5	Power (KW) setup: 0 (Default) /0.55/0.60/0.65^2.15/2.20

6	Pressure unit: 1 (Default) stands for Bar, 2 stands for Psi Index value and setting parameters
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## **4. ALARM PHENOMENON**

### **4.1 Over current alarm**

After being turned on, the current abnormally increases. Disable this air-end and the corresponding indicator light flashes and the screen displays "OC".

### **4.2 Under voltage alarm**

When the power supply voltage is lower than a rated voltage, the word "UV" flashes 5s; and then it will be shutdown. Word "UV" is always bright and the screen turns red. It cannot be turned on in under voltage state.

### **4.3 Over voltage alarm**

When the power supply voltage is higher than a specified range, the word "OV" flashes 5s and then it will be shutdown. Word "OV" is always bright and the screen turns red. It cannot be turned on in over voltage state.

### **4.4 Other alarms**

After being turned on, if no increase in current detected, or no increase in pressure when being turned on for first time, close this air-end. The corresponding indicator light flashes. Alarm release after shutdown.

## **5. SECURITY MATTERS**

**5.1 Reminder** Be sure to note the following safety rules in all processes using this controller. The company shall not be responsible for any personal injury or property loss as a result of violation of the provisions.

### **5.2 Do not operate in an explosive environment**

Do not use the instrument in place where there are flammable and explosive materials. In this environment, the use of any electrical equipment is likely to cause harm to safety.

### **5.3 Wiring in strict accordance with the drawings**

Wiring in strict accordance with the drawings, It is not recommended to put different types of air-end connected to the same controller. It is forbidden to connect multiple air-ends to the same terminal.

### **5.4 Earth wire**

Ensure that the earth wire is connected before turn on the power to prevent electric shock.

### **5.5 Power supply**

Energize the controller and ensure that the supply voltage matches the rated voltage.

### **5.6 Please do not remove any shell part without authorization**

It works with high voltage in some parts of the controller; do not take off the controller shell or any part of the controller main board without special permission.