DMK-3CSA-xxX User Manual

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1. Introduction

The pulse jet controller is the main control device in the cleaning system. The controller output signals to drive the electromagnetic pulse for cleaning the filter bag in sequence.

2. Product Model and Implication

DMK－ 3CSA－xxX

DMK：Pulse Jet Controller
3CSA：Designed Serial
xx： Output Digits（**10**；**20**；**30**）
X： Identification

Table 1

Specification	Number of Valves
DMK-3CSA-10X	1~10
DMK-3CSA-20X	1~20
DMK-3CSA-30X	1~30

3. Technical Specifications

Table 2

Power	110-250VAC，50/60Hz
Output Voltage	24VDC
Output Current	≤2A
Output Digits	1-xx
Input Signal	Stop/Run-input(X1, X2), insulated contact
Power Consumption	≤10W(Regular), ≤50W(Maximum)
Operating Environment	-10℃～55℃、relative humidity<85% No serious etchant gases, conductive dust, violent vibration or impact
Storage Temperature	-20℃～60℃
Weight	1kg
Dimensions	W×H×D 230mm×185mm×86mm

4. Operating

4.1 Sequence Chart

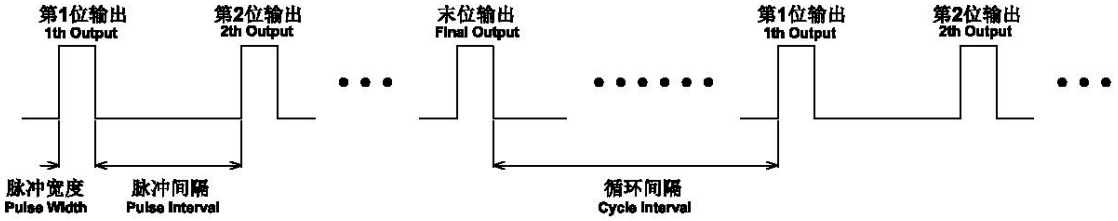

Figure 1

4.2 Parameters Setting

a. Press the key “Set” to select the parameter and the LED will be illuminated.

b. Use the key “＋” or “－” to change the value.

c. Press the key “Set” after finish setting all the parameters. The parameters will be saved and the LED “Run” will be illuminated.

4.3 Operating Mode

4.3.1 Local Mode

Short the double-Pin “Local” by the “Jumper Cap”. The Controller will operate automatically after the power on.

4.3.2 Remote Mode

a. Remove the “Jumper Cap” on the double Pin “Local”.

b. Connect the remote terminal “Stop/Run”. The Controller will operate or stop by the signal. It can be used for chaining the fan, DCS etc.

4.3.3 Stop Mode (Enable in Remote Mode)

a. Instant: The Pin “1, 2” of the three-Pin “Stop Mode” is short. When the remote signal is lost, the Controller will stop immediately.

b. Final: The Pin “2, 3” of the three-Pin “Stop Mode” is short. When the remote signal is lost, the Controller will stop after the final output.

4.4 Manual

4.4.1 Steps

Press the key “＋” when the Controller is operating, there will be a next output immediately.

4.4.2 Manual Output

Press the key “－” when the Controller is operating, the Controller will entry the mode “Manual”. There will be a output in sequence by pressing the key “＋”.

5. Parameters List

Table 3

No	Name	Description	Range
1	Pulse Width	Unit： Sec	0.01-99.99
2	Pulse Interval	Unit： Sec	0-9999
3	Cycle Interval	Unit： 10×Sec	0-9999
4	Output Digits	Number of Valves	1～xx

6. Configuration and Installation

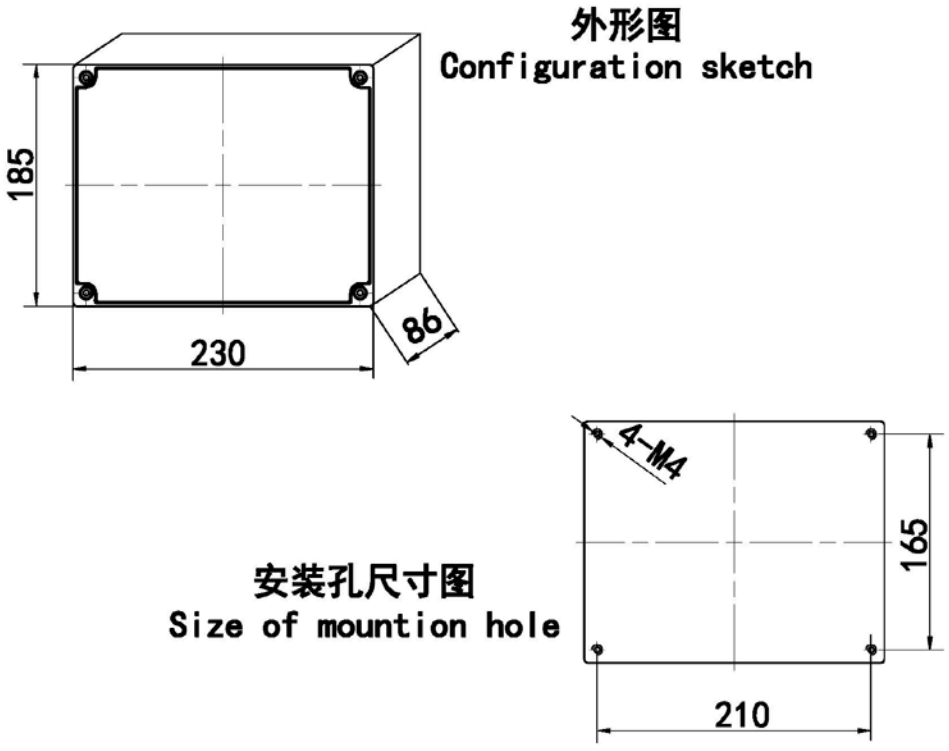

Figure 2

7. Wiring Diagram

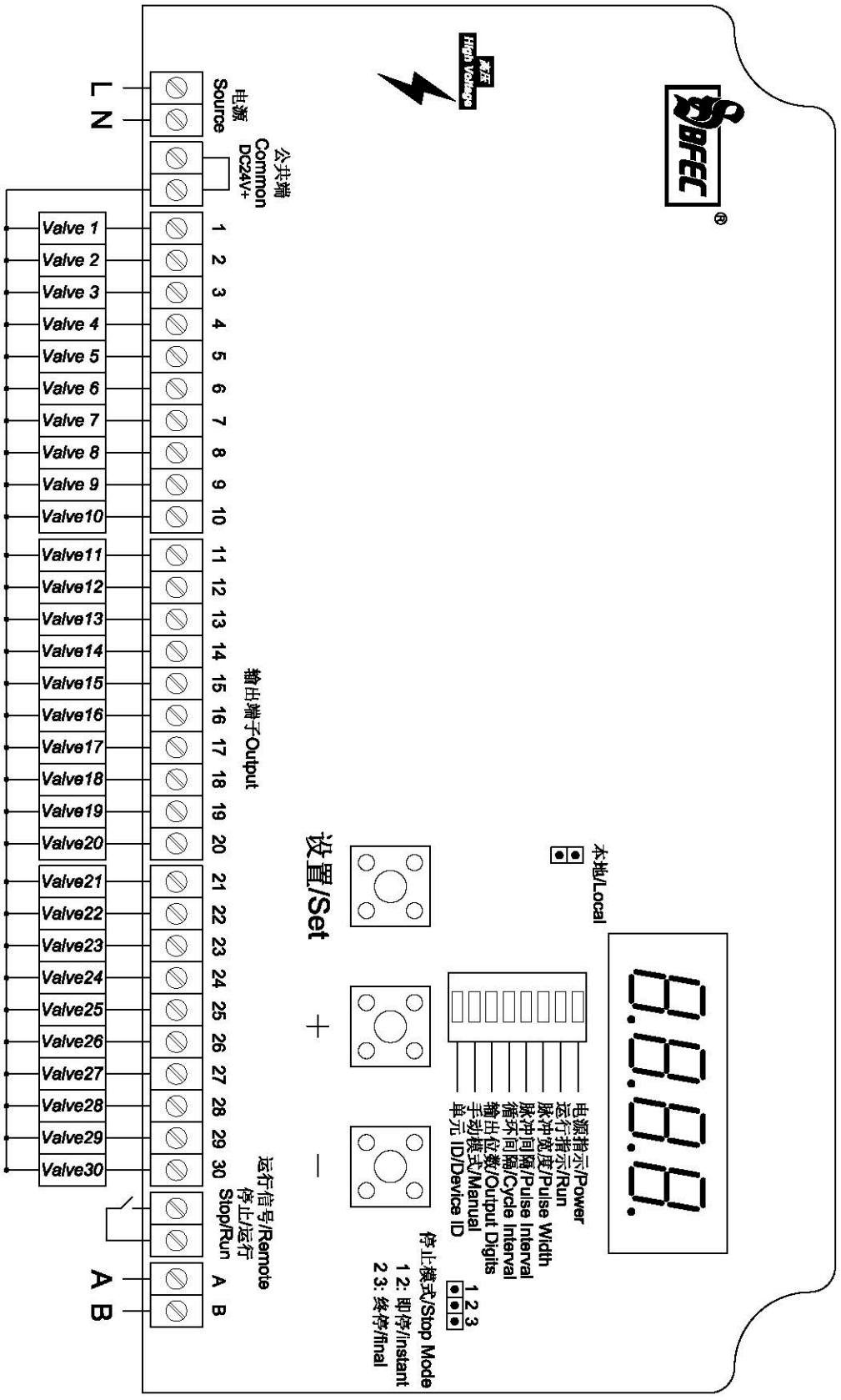

Figure 3