



## FCM1820-A1 Interlocking Panel Product Manual

### Features

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- Fulfill Chinese Standard of GB16806-2006“ Interlocking Control System”
- FCM1820-A1 interlocking panel is mainly used for the auto-control and manual control of important devices (such as fire-pump, fan and so on. )
- FCM1820-A1 interlocking panel has 8 outputs, capacity: 24VDC/ 40mA, which are used to activate extinguishing devices on site; 8 dry contact inputs, which are used to receive the confirmation of activated devices.

### LED Indicator

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The interlocking panel has 8 outputs, each output has individual indicator to indicate trouble, activation and confirmation status.

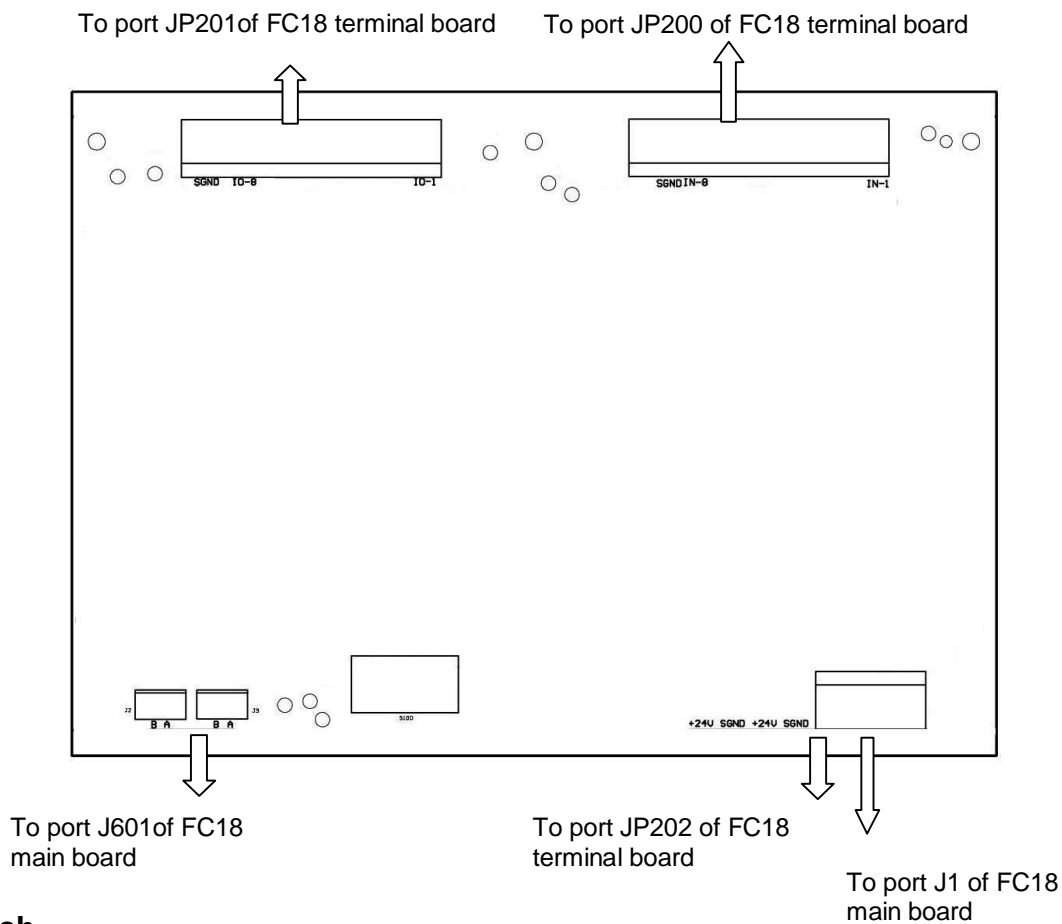
Indicators	Function
Trouble	On: when trouble occurs; Off: when trouble resolved.
Activation	On: when output is activated; Flashing: when there's no confirmation; Off: when the output signal disappears.
Confirmation	On: when confirmation is received; Off: when confirmation signal disappears.

### Operation

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- At auto mode, FCM1820-A1 interlocking panel can activate/deactivate devices according to the interlocking expression; Level 3 user can also activate/deactivate devices manually by keys. Press the activation button, the activation indicator is ON. After the device being activated, the confirmation indicator is ON. Press the deactivate button, the activation indicator is OFF, the corresponding devices stop output.
- At manual mode, level 3 user can activate/deactivate devices manually by keys. Press the activate button, the activation indicator is ON. After the device being activated, the confirmation indicator is ON. Press the deactivate button, the activate indicator is OFF, the corresponding devices stop output.
- Trouble light is On when trouble occurs; Off when trouble resolved.

## Connection Diagram



## Dip-switch

Used for defining the address of interlocking panel (default value is 15).

## Technical Data

Operating voltage	+24VDC
Quiescent current	100mA
Max. current	400mA
Output load for each channel	0.6kΩ~1.2kΩ
Operating temperature	0 ~ +50℃
Storage temperature	-20 ~ +60℃
Humidity	≤ 95%(40±2℃)
Size	185*122mm

## Order Information

Type	Material No.	Part No.	Description	Weight
FCM1820-A1	S54420-A13-A1	100734111	FC18 interlocking panel	0.125Kg

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## FCM1820-A1 联动盘 使用说明书

### 特点

- 满足国标 GB16806-2006 “消防联动控制系统”
- FCM1820-A1 联动盘主要用于重要设备（如消防泵、风机等）的自动控制及手动操作。
- FCM1820-A1 联动盘共有 8 路可控制输出，输出容量：每路 24VDC/ 40mA，用于启动现场消防设备；8 路触点输入，用于启动设备的回答输入。

### LED 指示灯

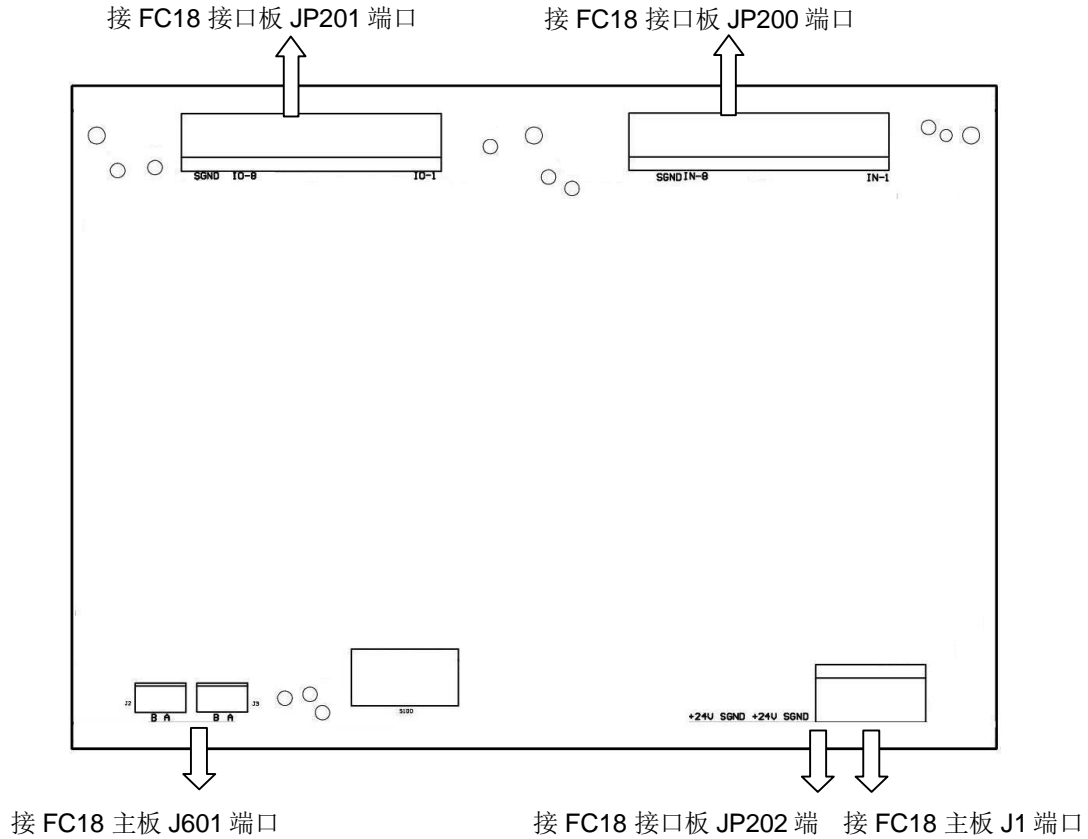
联动盘共有 8 路输出，每路输出均有故障、启动、反馈指示灯用来指示其状态。

指示灯	功能
故障	当有故障发生时，指示灯亮；在故障解除后指示灯灭。
启动	当联动盘该路输出启动时，指示灯亮；启动无反馈时，指示灯闪；启动信号消失后，指示灯灭。
反馈	当联动盘该路输出接收到反馈信号时，指示灯亮；反馈信号消失，指示灯灭。

### 操作

- 当控制器处于自动状态时，可通过联动关系自动启动、停止现场设备；也可在三级用户下，通过联动盘键盘手动启动、停止现场设备。按下启动按钮时，相应的“启动”指示灯亮。所启动的消防设备启动后相应的“反馈”指示灯亮。按下停止按钮，启动灯灭，相应设备停止输出。
- 当控制器处于手动状态时，可在三级用户下通过联动盘键盘手动启动、停止现场设备。按下启动按钮时，相应的“启动”指示灯亮。所启动的消防设备启动后相应的“反馈”指示灯亮。按下停止按钮，启动灯灭，相应设备停止输出。
- 当检测到“故障”时，相应故障指示灯亮。故障解除后，指示灯灭。

## 接线图



## 拨码开关

用来定义联动盘的地址（默认值 15）。

## 性能参数

工作电压	+24VDC
静态电流	100mA
最大电流	400mA
每路输出负载范围	0.6kΩ~1.2kΩ
工作温度	0 ~ +50℃
贮存温度	-20 ~ +60℃
工作湿度	≤ 95%(40±2℃)
安装尺寸	185*122mm

## 订货信息

型号	部件号	名称	重量
FCM1820-A1	100734111	FC18 联动盘	0.125Kg

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