



## 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.

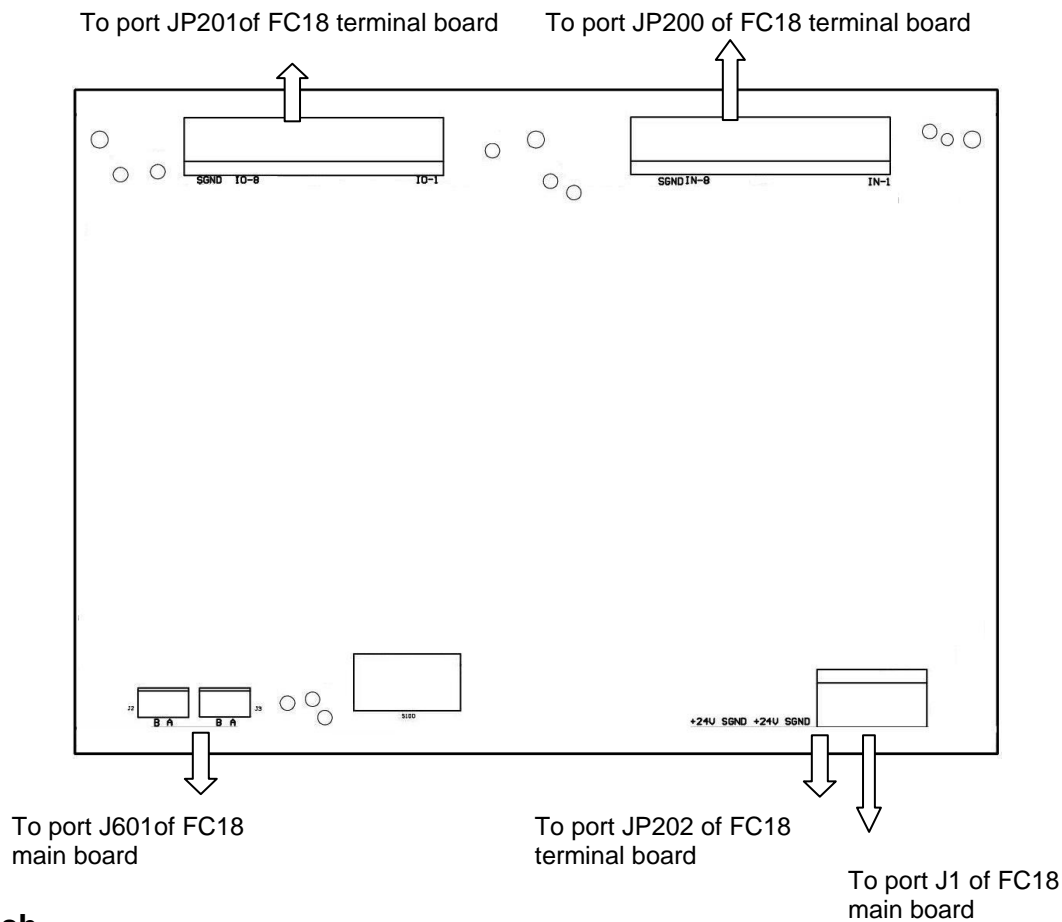
Indicators	Function
Trouble	On: when trouble occurs; Off: when trouble resolved.
Activation	On: when output is activated; Flashing: when there's no confirmation; Off: when the output signal disappears.
Confirmation	On: when confirmation is received; Off: when confirmation signal disappears.

### 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	0.6k $\Omega$ ~1.2k $\Omega$
Operating temperature	0 ~ +50 $^{\circ}$ C
Storage temperature	-20 ~ +60 $^{\circ}$ C
Humidity	$\leq$ 95%(40 $\pm$ 2 $^{\circ}$ C)
Size	185*122mm

## Order Information

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

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