

FC18R-FC186x



**FC1861 Fire Alarm Controller**  
**FC1862 Fire Alarm Controller**  
**FC1863 Fire Alarm Controller**

S54420-C5-A1  
S54420-C6-A1  
S54420-C7-A1

- Multilanguage operation menu designed with Windows-like style for fast and easy operation.
- Shortcut key (right key) for popping out operation items of equipment/event.
- Large history storage size for up to 10,000 records, first in first out order, all events can be recorded during the operation period.
- LCD backlight Auto-off mode. When there is no operation or message to display within preset time, LCD backlight will be automatically turn off. When there are events / operations, LCD will light up automatically to display events and/or interlock devices.
- 2 channels of programmable input/output (Output: 40mA@24VDC, it can be programmed as general alarm output or general trouble output; Input: dry contact).
- 1 channel of NAC for audible and visible devices (max. 0.5A @24VDC).
- 8 channels of interlocking functions for automatic control and manual operations of control equipments.
- Efficient group programming according to different using
- FC1861 controller can support up to 504 points, FC1862 controller can support up to 1,008 points, FC1863 controller can support up to 1,512 points. All the FC18R-FC186x controller can be extended up to 2,016 points by add Line Cards.
- Controller network bus (FC18-BUS) has a max. distance of 1,000m.
- Twisted paired cable is for polarity-free detection bus (FD18-BUS), transmission distances is up to 2,500m in loop mode, and 1,500m for a stub line mode. (the wiring capacity is between 1.0 to 1.5 mm<sup>2</sup>)
- Three user levels for different operation authority. Each user level is accessed by a pre-defined and changeable password.
- Convenient pluggable terminals with clear marks for field wiring.
- Auto-mapping function to support on commissioning task.
- Detection algorithm can be adjusted from controller according to different environment, to provide high reliability of alarm report and reduce false alarm.
- Programming can be done either directly on controller or through computer.
- "Sticker Method" provide easy for commissioning on site.

	FC1861	FC1862	FC1863
No. of line modules	2	4	6
Maximum load-factor	504	1,008	1,512
LCD screen	(can extended to 2,016 points)		
No. of programmable input/output on mainboard	320 × 240 pixels, backlit		
No. of zone of interlocking panel	2		
No. of NAC (0.5mA @24VDC)	8		
Maximum history records	1		
Max. distance between controllers within FC18-BUS	10,000		
Max. No. of controllers connected within FC18-BUS	1,000 m		
Max. distance between a controller and a FRT within FR18-BUS	16		
Max. No of FRT connected to a controller	1,000 m		
Auto-mapping function	32		
Battery (not included)	Operation from terminal		
Communication interface	12 VDC, 25 Ah × 2		
Input voltage	Special converter module		
Power supply capacity	220 VAC, 50 Hz		
Size (mm)	10 A@24 VDC		
Weight (without battery)	1000 H × 600 W × 200 D		
Power fuse	33.5 Kg		
Battery fuse	250V@3 A		
Operating temperature	250V@5.0 A		
Storage temperature	0 ~ +40 °C		
Relative Humidity	-10 ~ +50 °C		
Environment requirement	≤95% (40 ± 2 °C)		
	Indoor / Clean		

Datasheet

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