

Fire Alarm Control Panel



Characteristics

- ◆ Alarm verification up to 7 seconds for real fire confirmation and avoid false alarm form environment interference.
- ◆ Zone test mode to perform alarm and fault functional test.
- ◆ Each zone has a separate disable function.
- ◆ Fault indications for wire disconnection, unstable AC power, battery short circuit or disconnection and internal PCB unplug.
- ◆ 5-QA12 only 1 up to 5 zone detector
- ◆ QA12 could 10 up to 80 zone detector

Specification

Model	5-QA12	QA12
Power	220V AC, 50/60HZ *Others also available	
Battery Capacity	24V/4Ah	
Charging voltage & current	28VDC 100mA ~ 400mA	
Loop voltage & current	24VDC; short circuit under 5V	
External resistance	Max.50Ω	
# of heat detectors connected	30 / zone Except electronic - type (Horing Lih Product) 30 / zone Except Mechanical - type (Horing Lih Product)	
# of smoke detectors connected	30 / zone (Horing Lih Product)	
# of fire indicating lamp connected	# of zone x 1.5	
# of bell connected	# of zone x 1.5	
Relay output	Contact rating (24 VDC 3A)	
End of Line Resistor	10kΩ *One per zone	
Material	1.2 mm steel plate	
Color	Pearl gray *Others also available	
Dimensions (mm) H x W x D	5 zone : 320 x 250 x 100	10 zone : 450 x 330 x 130 20 zone : 550 x 330 x 130 30 zone : 680 x 380 x 150 40 / 50 zone : 950 x 420 x 150 60 ~ 80 zone : 1300 x 420 x 170

5-QA12 Indicators and Switches Description :

- ① FIRE Indicator : When the panel has received a fire signal, LED lights ON and flash.
- ② FAULT Indicator : When loop has short, open or terminal trouble, LED will light ON and flash
- ③ Voltmeter Indicator : When the working voltage is too high or too low, the H or L will light ON. Meantime, the FAULT LED will ON and buzzer will active.
- ④ Battery LED : When working voltage is supplied only by battery, the LED will light ON.
- ⑤ Delay LED : Light ON means panel is reconfirming the alarm signal from detector, LED light will OFF after 7 seconds confirmation. The panel will activate Fire Condition if signal is confirmed.
- ⑥ Call Point LED : When panel receives signal from manual call point, this LED and Delay LED will both light ON. Panel will active without delay.
- ⑦ Disable LED : Indicates any zone output is disabled.
- ⑧ Telephone LED : When panel receives incoming call signal, LED will ON and buzzer will active.
- ⑨ ⑩ ⑪ ⑫ Aux-1~ 4 LED : When panel receives external monitoring signal, LED will ON and buzzer will active.
- ⑬ Output switch : LED ON indicates relay output from panel is disabled.
- ⑭ Delay switch : LED ON indicates the alarm delay feature is disabled.
- ⑮ Bell Switch : 1. (Temporary silence-LED steady ON)
When press switch once, LED ON and disable the sounder output, any new incoming fire or fault signal will enable the sounder output and LED will OFF.
2. (long silence-LED flash)
When press switch twice, LED flash and disable the sounder output, any new incoming fire or fault signal will not enable the sounder output.
3. (normal)
When press switch three time, panel will back to normal status.
- ⑯ Buzzer switch : 1. (temporary silence-LED steady ON)
When press switch once, LED ON and disable the buzzer output, any new incoming fire or fault signal will enable the buzzer and LED will OFF.
2. (long silence-LED flash)
When press switch twice, LED flash and disable the buzzer output, any new incoming fire or fault signal will not enable the buzzer.
3. (normal)
When press switch three times, panel will back to normal status.
- ⑰ Test switch : 1. (fault test-LED flash)
When panel is under manual test mode, press the switch twice to lit the LED and into Zone Fault test, press each zone switch to show the fault indication and related output.

5-QA12 Indicators and Switches Description :

2. (fire test-LED steady ON)

When panel is under manual test mode, press the switch once to light the LED into Zone fire test. Press each Zone switch, both Zone Fire Indicator and Alarm Delay LED will be lit on 7 seconds and then the reset LED flashed 5 seconds. Following press each Zone switch again to show the fire indication and related output.

3. (normal)

When press the switch three times, panel will back to normal status.

****Note :** Any Fire happen during test period, system will automatically into [Fire mode].

- ⑱ Battery Test switch : LED ON indicates panel is under battery test status.
- ⑲ Reset switch : Press switch once, LED will ON for 5 seconds and then back to normal status.
- ⑳ Telephone jack : To communicate with the manual call point's plugged phone.
- ㉑ ZONE LED : 1. When LED Steady ON indicates Zone fault.
2. When LED flash ON indicates that zone alarm output is disabled.
- ㉒ ZONE NAME : To show the name of covered area.
- ㉓ ZONE Switch : 1. To disable zone output when there is an alarm.
2. To perform alarm or fault test during manual test mode.