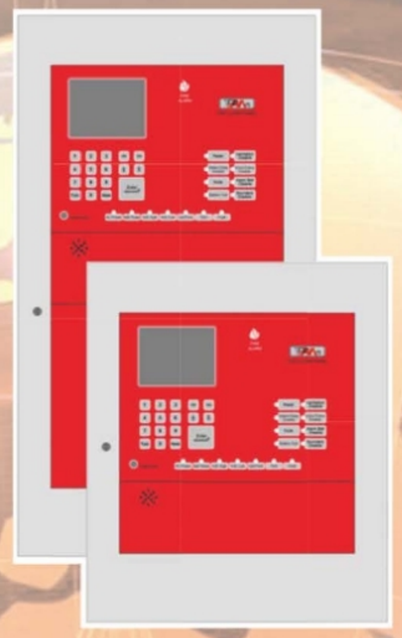
Addressable Fire Alarm Control Panel

FMS-R

General

The **FMS-R** addressable fire alarm control panel contains 1 to 8 SLC loops with each loop supporting 300 devices of any combination (sensors or modules). Communication between devices is transferred through standard cable, no shielded or twisted pair required.
The panel can be easily configured conventional detection system, such as heat, photo and ion sensors, call point, alarm bell, etc. by using FR-G monitoring/control module. In addition, a RS-485 bus provides communication to the panel network, while the RS-232 interface allows the convenience of programming via a PC.



Features

- DCP protocol for fast and robust communication
- One, expandable to eight, Signaling Line Circuit (SLC) loop
- Support Class B (style 4) and Class A (style 6 or 7) SLC loop
- 8 amp power supply with 8 on board Class B NAC circuits
- Use standard cable, no shielded or twisted pair required on SLC loop
- Up to 300 sensors and modules per loop
- Communication distance between devices can achieve 1.2km by using AWG 14 wire
- Large 15-lines x 40-character LCD
- Self-inspection function to assist same one address issue within several devices
- Fire drill test and walk test function
- A RS-485 bus for panel network
- 2 built-in RS-232 interfaces for programming via a PC and serial printer interface
- History log can achieve 3000 events

Specifications

Model	FMS-R
Capacity	1 ~8 loops, up to 300 sensors and modules per loop
Input power	AC220V · 50 Hz
Battery power	DC24V 4Ah at least
Resistance of cable	Resistance of signaling wire <20Ω; insulation resistance >2MΩ@500V
Alarm delay time	0 ~ 40 seconds
Operating temp/ humidity	0°C ~ 50°C · relative humidity <95% (non-condensing)
Material of case	Steel, 1.2mm thickness
Dimensions	1~4 loops: 500x600x150 ; 5~8 loops: 500x1000x150 (WxHxD, mm)
Optional	Thermal printer, Custom graphics, Voice evacuation, Remote annunciator

Addressable Manual Call Point

FMS-CP1R

General

The **FM-CP** addressable manual call point connect to addressable fire alarm control panel. Up to 256 devices can be connected to each loop of FAS-R fire alarm control panel. The device has an integral alarm indicator that illuminate when the manual call point has been pushed down.

Features

- DCP protocol for fast and robust communication
- Use standard cable, no shielded or twisted pair required on SLC loop
- Up to 256 devices can be used on per loop
- LED indicator can show normal、alarm and failure status
- With emergence telephone jack
- Address is easily to set by DIP switch

Specifications

Model	FMRCP
Operating Voltage	DC 18V ~ 30V
Quiescent current	≤ 0.5mA
Alarm current	18mA (max) @ DC 24V
LED indicator	Normal: flash one time per 6 seconds; Alarm: always on; Failure: flash two times per 6 seconds
Operating temperature	-10°C ~ 50°C,
Relative humidity	< 95% RH, non-condensing
Material / color	Fire-proof plastics / Red
Dimensions	Φ140 x 50 mm

FORMOSA FIRE ALARM CO.,LTD.