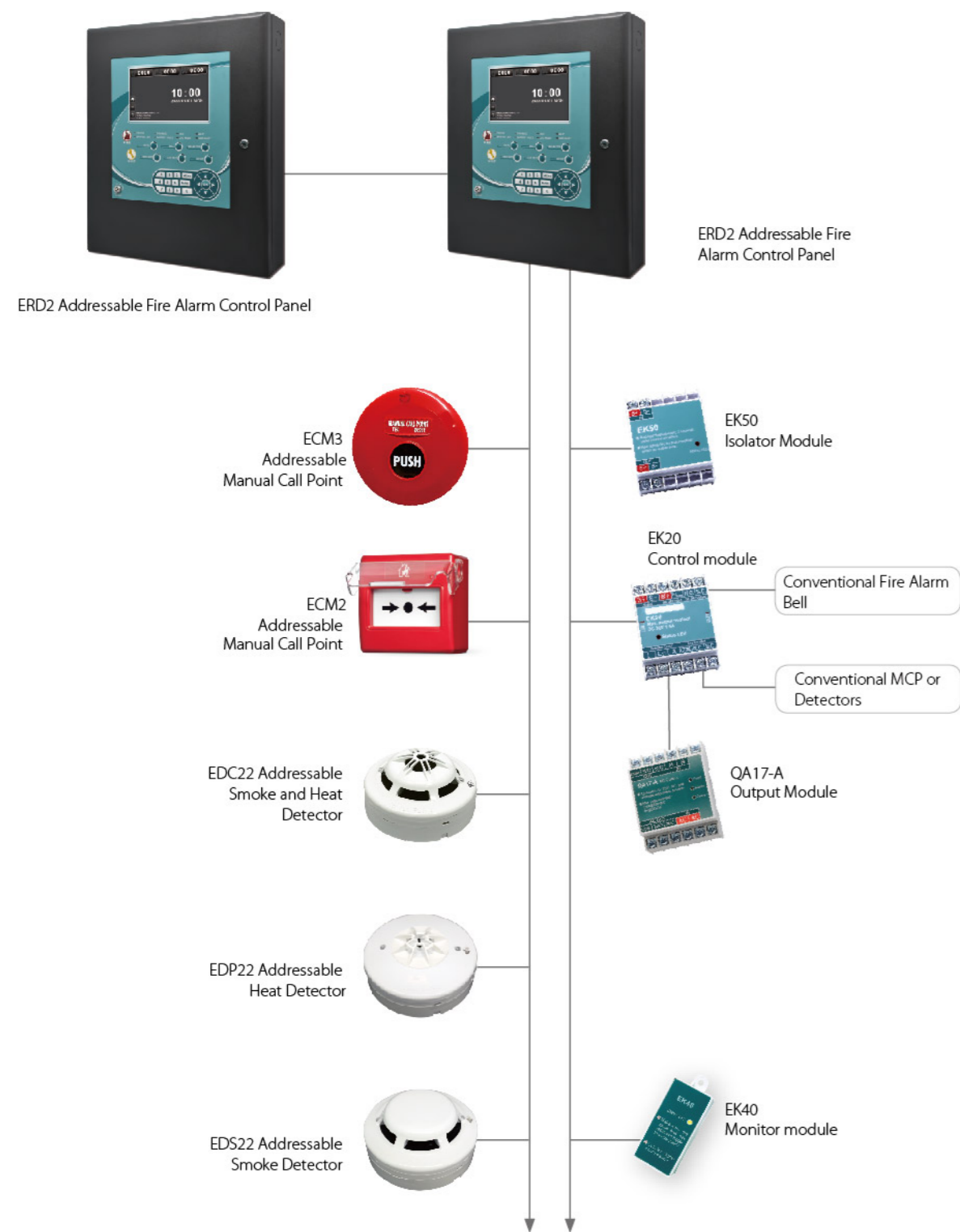




ERD2 Series Addressable Fire Alarm System Configuration



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Addressable Fire Alarm Systems



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ERD2 Series Addressable Fire Alarm Systems

ERD2 series can be in single or 32 loops network configurations. This system is designed for all applications with advantages of easy installation, fast and precise detection and simple maintenance. RType Transfer software saves your time from programming. Reliable ERD2 series definitely meets your demands for safety.

Designed to satisfy all of your demands



EDS22
Addressable Photoelectric
Smoke Detector



EDC22
Addressable Combination Smoke & Heat
Detector



EDP22
Addressable Heat Detector



ERD2
Addressable Fire Alarm Control Panel



Module Series
EK20 / EK40 / EK50 / QA17-A

Characteristics

- Detector wiring in two-wire polarized method.
- Address coding by encoder, or self-addressed via internal short-circuit PIN.
- Latching function helps to identify alarm device clearly and quickly.
- Dual LEDs for 360-degree visibility and detector status identification.
- Detector has passed strict EMC test, which greatly eliminates false alarms caused by interference from nearby sources.
- Detector is made of high endurance, solid and colorfast Fire-proof plastic.
- Compact structure of middle base prevents water from pipes and ceilings to entering the detector and reduces the probability of false alarms.
- Non-loosening screws on base terminal for easy installation.
- Magnetic test feature makes maintenance easy and simple. (optional)

Specifications

Model	EDS22	EDC22	EDP22
Address Coding		Encoder settings	
Alarm Current		DC24~32V 500μA	
Standby Current		DC24~32V 400μA	
Sensitivity Setting		Comply to EN54	
Ambient Temperature		0°C ~ +50°C	
Thermal Setting	N/A	58°C	58°C
Dimensions(mm)	102(Dia) x 48(H)	102(Dia) x 54(H)	102(Dia) x 47(H)
Weight	130g	130g	115g
Material	Fire-proof plastic		
Color	White		

Characteristics

- Each ERD2 comes standard in 2 loops.
- Each loop can connect up to 250 addressable devices. Maximum networking are 32 loops and total addressable points are 8000.
- 7-inch LCD display (800x480 DPI) allows more events to be displayed on the same screen. Each address name: 24 letters including spaces.
- Event log can store up to 20480 events.
- Data download/upload via USB interface.
- Portable encoder or self-addressed coding methods.
- Loop device can be set up to be temporarily isolated.
- Individual loop module test feature to save time on panel test.
- Access level authorizations and security code protection.

Specifications

Model	ERD2
Power	100~240V AC 50/60 Hz *Others also available
Battery Capacity	24V DC 7Ah
Charging Voltage, Current	26V DC 100~1000mA *With auto adjustment function
Zone Voltage, Current	24~32V DC 250mA
System Capacity	250 devices/1 loop *Expandable for site requirement
Exterior Resistance	Round-trip under 40Ω
Transmitting Method	Digital series transmitting
Delay Time	0~99 seconds [Adjustable value]
Main Sound	85dB @1M
Material	Fire-proof plastic
Color	Dark grey
Dimensions(mm) H x W x D	1~2 loop: 420x350x98

Characteristics

- Low power consumption in monitoring mode, high stability.
- Easy installation, either single module installation or several modules installed on a special mounting bar. Implanted type gang box is available to suit the decoration design.
- The Module is designed with separate input and output contacts to decrease the difficulty of moving external wiring.
- Control Module EK20 is designed to control input & output for all kinds of systems. (fire alarm, smoke evacuation, sprinkler, foam, winding door...etc.)
- Output module QA17-A can directly connect with power source. The output voltage from N.O. & N.C. will be the same as input voltage.
- Monitor module EK40 is designed to monitor security condition, such as water supply, pump action ...etc.

Specifications

Model	EK20	EK50	QA17-A	EK40
Type	Control module	Isolator Module	Output Module	Monitor module
Purpose	For input and output of various systems	Isolate from control unit when external fault	Supply higher current such as evacuation	Monitor and confirm external signal
System Connected	Can be connected with conventional detectors	Series with all system zone	Series with EK20	Receive activation signal from external device
Input Source	Loop signal	Zone short circuit	24VDC / 110VAC / 220VAC	Activation signal from dry contact
Output Contacts	1 in 2 out COM. N.O. N.C.	N/A	COM. N.O. N.C. 4A @30VDC, 2.5A @ 250VAC	N/A
EOL Resistor	10kΩ	N/A	N/A	10kΩ
Address Coding	Encoder settings	N/A	N/A	Encoder settings
Ambient Temperature	0°C ~ +50°C			
Material	Fire-proof plastic			
Color	Green ; Base: ivory white			
Dimensions (mm) H x W x D	60 x 76 x 31			55 x 27 x 16



ECM2
Addressable Manual Call Point



ECM3
Addressable Manual Call Point

Specifications

Model	ECM2	ECM3
Purpose	Signal can be directly transmitted to panel to release the accumulation.	
Input Source	Activation signal	
Address Coding	Encoder settings	
Ambient Temperature	0 °C~50°C	
Humidity	10%~95%	
Installation	Refer to other regular manual call points	
Material	Fire-proof material	
Color	Red	
Dimension(mm)	87.5(H) x 87.5(W) x 54(D)	140(Dia)x45(H)
Alarm Current	DC24~32V 500μA	
Standby Current	DC24~32V 400μA	