



NK700 Series

Conventional Fire Panels (2 to 16 zones)

General

The NK700 Series conventional fire alarm and extinguishing control panels are the ideal solution for small to medium-sized installations. Very powerful and cost-effective, they are extremely simple to install and use due to their ergonomic, advanced design.

The panels are supplied in elegant, high-quality, conveniently sized, heavy-duty enclosures with space for batteries inside the cabinet.

Fire detection panels

The NK700 series complies with EN54 regulations and have approvals pending. They are ideal for use with most industry standard detectors, but are specifically designed for use with the Kilsen 700, 500 and 200 Series detectors. The range covers from 2 to 16 zones, and also include a 'class change' feature that allows the sounders to operate as school bells signaling the change of class.

Zones and sounders can be tested and disabled from the front keypad. All panels feature a high-quality keyboard with audible metallic click and good travel.

Optional

Where relay outputs are required, optional relay cards can be used. The range features 2 optional relay modules (one supervised and one potential free), giving an independent relay output for each zone and satisfying the need to operate fire doors, ventilation shutters, trigger fire curtains, etc.

Extinguishing control panels

Also available in this series are the NK703 and NK706 extinguishing control panels for the control of automatic extinguishing systems.

The NK703 combines two standard detection zones into a double-knock detection zone for controlling one extinguishing agent release area. It also offers one extra zone for additional detection or monitoring. The NK706 provides two double-knock zones plus two additional zones.

Both panels have inputs and outputs to monitor and control the pre-alarms, 'do not enter' signs, pressostats and discharge solenoids. They allow for manual and automatic gas release.



- | **Modern, attractive design**
- | **Microprocessor-controlled**
- | **From 2 up to 16-zones**
- | **Special 1 and 2 double-knock zone versions for automatic extinguishing agent release control**
- | **EN54 compliant with approvals pending**
- | **3 User access levels**
- | **2 Monitored sounder outputs**
- | **One-man test capability**
- | **Open-collector output for every zone**
- | **24 Volt resettable output**
- | **External 'Class Change' facility**
- | **Alarm output with potential free relay**
- | **Common fault output with potential free relay**
- | **External watchdog**
- | **Active end-of-line support**

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Technical Data

	NK702/NK704	NK708/NK712/NK716	NK703/NK706
Supply Voltage (+10% - 15%)	230 VAC @ 50 Hz / 110 VAC @ 60 Hz	230 VAC @ 50 Hz / 110 VAC @ 60 Hz	230 VAC @ 50 Hz / 110 VAC @ 60 Hz
Batteries			
Capacity	2 x 2.3 Ah	2 x 7.5 Ah	2 x 7 Ah
Fuse rating	2 A	5 A	2 A
Zone			
Maximum load	94 mA	94 mA	94 mA
Max. number of detectors per zone	20	20	20
Maximum zone resistance	44 ohm	44 ohm	44 ohm
Sounders			
Maximum load	250 mA	250 mA	250 mA
Delay	Selectable 0 - 9 min	Selectable 0 - 9 min	Selectable 0 - 9 min
Relay Outputs (excluding sounders)	1 A @ 30 VDC	1 A @ 30 VDC	1 A @ 30 VDC
Extinguishing Relay Outputs			
Maximum load	NA	NA	250 mA
Fuse rating	NA	NA	0.3 A
Auxilliary Output	250 mA	250 mA	250 mA
24 VDC Resettable Output			
Maximum Load	100 mA	100 mA	100 mA
Reset time	3 s	3 s	3 s
Environment			
Working temperature	-5°C to +40°C	-5°C to +40°C	-5°C to +40°C
Relative humidity (non condensing)	95 %	95 %	95 %
IP rating	IP30	IP30	IP30
Physical Characteristics			
Size (mm)	297 (w) x 307 (h) x 105 (d)	420 (w) x 335 (h) x 110 (d)	420 (w) x 335 (h) x 110 (d)
Weight (without batteries)	3.6 kg	6.2 kg	6.2 kg

Ordering Information-515

NK702	Conventional fire panel with 2 fire alarm zones
NK704	Conventional fire panel with 4 fire alarm zones
NK708	Conventional fire panel with 8 fire alarm zones
NK712	Conventional fire panel with 12 fire alarm zones
NK716	Conventional fire panel with 16 fire alarm zones
NK703	Conventional extinguishing control panel with 3 zones
NK706	Conventional extinguishing control panel with 5 zones
NM887/2	Relay module, 2 relays for NK700 Series
NM887/4	Relay module, 4 relays for NK700 Series
KR12N	Conventional zone repeater panel
AOL-ACT	Active end-of-line device for conventional fire panels

