



FEC403EN

Conventional single area extinguishing control panel

General

The FEC403EN conventional extinguishing control panel is EN54 part 2, 4 and EN12094-1 approved for single area, gas extinguishing applications. The extinguishing area consists of two fire zones, but the panel also offers one standard fire detection zone. Very powerful and cost-effective, it is extremely easy to install and use due to its advanced design.

Detection and Control

Even though the FEC403EN is designed for GE Security conventional detectors, it may also be used with many compatible third party detectors. It includes various features not normally associated with a conventional fire panel, amongst others, extinguishing related sounders and indicators that may all be individually tested and disabled from the front panel keypad.

Supervision

All inputs and outputs for the extinguishing and alarming controls are supervised. Local outputs include relays and sounders, whilst dedicated in- and outputs exist for the extinguishing area.

Supervised inputs

- Detection zones
- Door monitoring
- Extinguishing agent leakage
- Fault return
- Flow and pressure switch monitoring for agent release
- Manual extinguishing start, hold and abort
- Manual/automatic extinguishing mode select

Supervised outputs

- Fire brigade
- Solenoid or pyrotechnic
- Sounders one and two
- Warning, Evacuation and Agent Released signs

Other outputs

- Fire and fault relays
- 24 VDC (resettable)

Optional

Optional relay modules allowing for independent, configurable, potential free or supervised relay outputs may be added to satisfy any need to operate fire doors, ventilation shutters, trigger fire curtains, etc.



Standard Features

- EN54-2, EN54-4 and EN12094-1 approved
- Automatic extinguishing agent release control (Solenoid or pyrotechnic)
- 3 Zones (1 extinguishing area + 1 zone)
- All extinguishing related controls and monitors from a single unit
- Supervised inputs and outputs
- Common outputs with potential free relays
- 24 Volt resettable output
- One-man test capability
- 2 User access levels
- Optional additional relay and supervised outputs

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Specifications

Supply Voltage (+10% - 15%)	230 / 110 VAC @ 50 / 60 Hz
Batteries	
Capacity	2 x 7 Ah
Fuse rating	2 A
Zone	
Maximum load	94 mA @ 24 VDC
Max. number of detectors per zone	20
Maximum zone resistance	44 ohm
Sounders	
Maximum load	250 mA @ 24 VDC
Fire Brigade	250 mA @ 24 VDC
Fire and Fault Outputs	1 A @ 30 VDC
Extinguishing Outputs	
Solenoid maximum load	500 mA @ 24 VDC
Pyrotecnic maximum load	1 A @ 24 VDC for 10 ms
Optical warning signs	450 mA @ 24 VDC
Auxiliary Supply	
Continuous	1.3 A @ 24 VDC
Resettable	100 mA @ 24 VDC (3 s reset)
Environment	
Working temperature	-5°C to +40°C
Relative humidity (non condensing)	95 %
IP rating	IP30
Physical Characteristics	
Size (w x h x d)	420 x 335 x 110 mm
Weight (without batteries)	6.2 kg

Ordering Information

Part No.	Description
FEC403EN	Conventional single area extinguishing control panel
RB404	Relay module, 4 potential free relays for NK700/Fx400 fire panels
SB404	Relay module, 4 supervised relays for NK700/Fx400 fire panels
BS127N	Sealed Lead-Acid Battery - 12V 7.2Ah - VdS approved



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As a company of innovation, GE Security reserves the right to change product specifications without notice. For the latest product specifications, visit GE Security online or contact your GE Security sales representative.

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