FEC403EN
Extinguishing Control Panel

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The FEC403EN conventional extinguishing control panel is EN54 approved for single area applications. Very powerful and cost-effective, it is extremely easy to install and use due to its advanced design. The panel has 1 double-knock (coincidence) extinguishing area consisting of two fire zones with 1 free fire detection zone to protect the panel.

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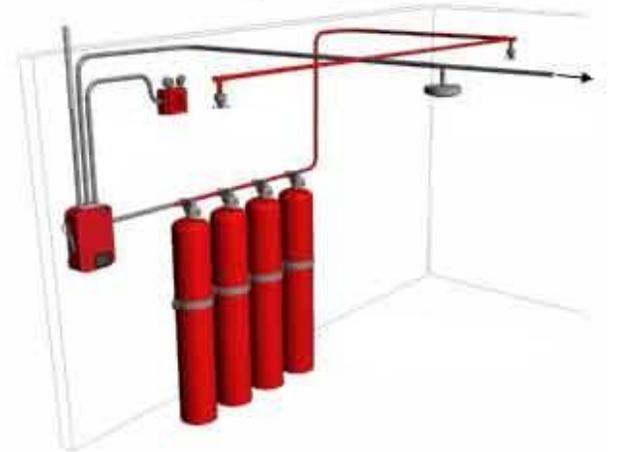
Standard Features

- EN54-2, EN54-4 and EN12094-1 approved; Class A: -5°C to +40°C

- 3 Zones
  - 1 Extinguishing area with 2 detection zones
  - 1 Standard fire zone

- MCP Start, hold and abort options

- Optical panel control for warning, evacuation and release indications

- Extinguishing agent release control (Solenoid/pyrotechnic selectable)

- All inputs and outputs supervised

- Common outputs with potential free relays

- Optional additional relay and supervised outputs

- One-man test capability

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Extinguishing Options

Options supported

- Manual or automatic mode
- Delay to gas release
- Release state indication from gas flow switch or actuator
- Hold mode: French (restart delay) or UK (keep delay)
- Door monitoring
- Output to fire routing
- Output to fault routing
- Clean-me compliant

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Extinguishing Options
Options not supported

- Spare bank cylinders (multiple bank discharge)
- Low pressure CO_2
- Mechanically selection of flooding zone

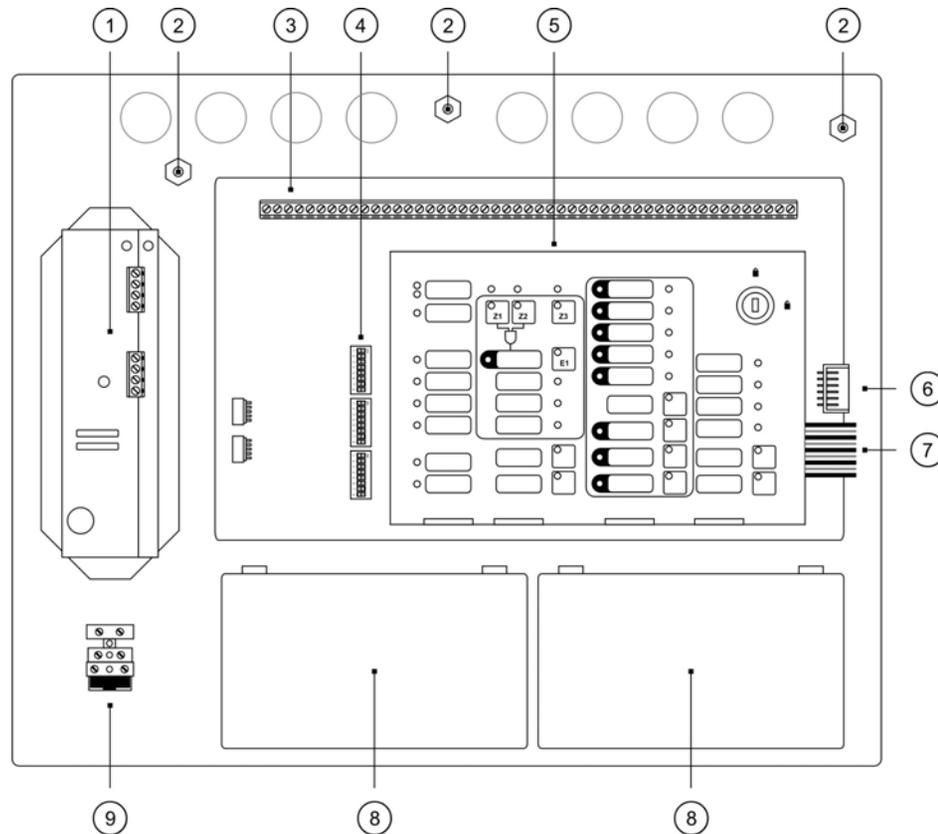GE imagination at work

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- **Panel Features**
- **Panel Hardware**
- **System Description**

FEC403EN Extinguishing Control Panel

Main component location

1. Power supply
2. Earth stud
3. Zone, fire detection and extinguishing system input/output connectors
4. Configuration DIP switches
5. Control panel keypad
6. Master relay module connector
7. Keypad to PCB connector
8. Batteries
9. 230 VAC supply connector and fuse

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Supervised inputs and outputs overview (1)

- Pyrotechnic and Solenoid outputs (500 mA)

- Fire brigade output (250 mA)

- 3 x Illuminated warning sign outputs (450 mA each)

  Gas released

  Evacuate

  Warning

- 2 x Sounder outputs (250 mA each)

- 2 x Relay outputs (1 A)

  Common fault (with return)

  Common alarm

- 24 VDC Aux resetable output (100 mA)

- 24 VDC Standard output (1.3A)

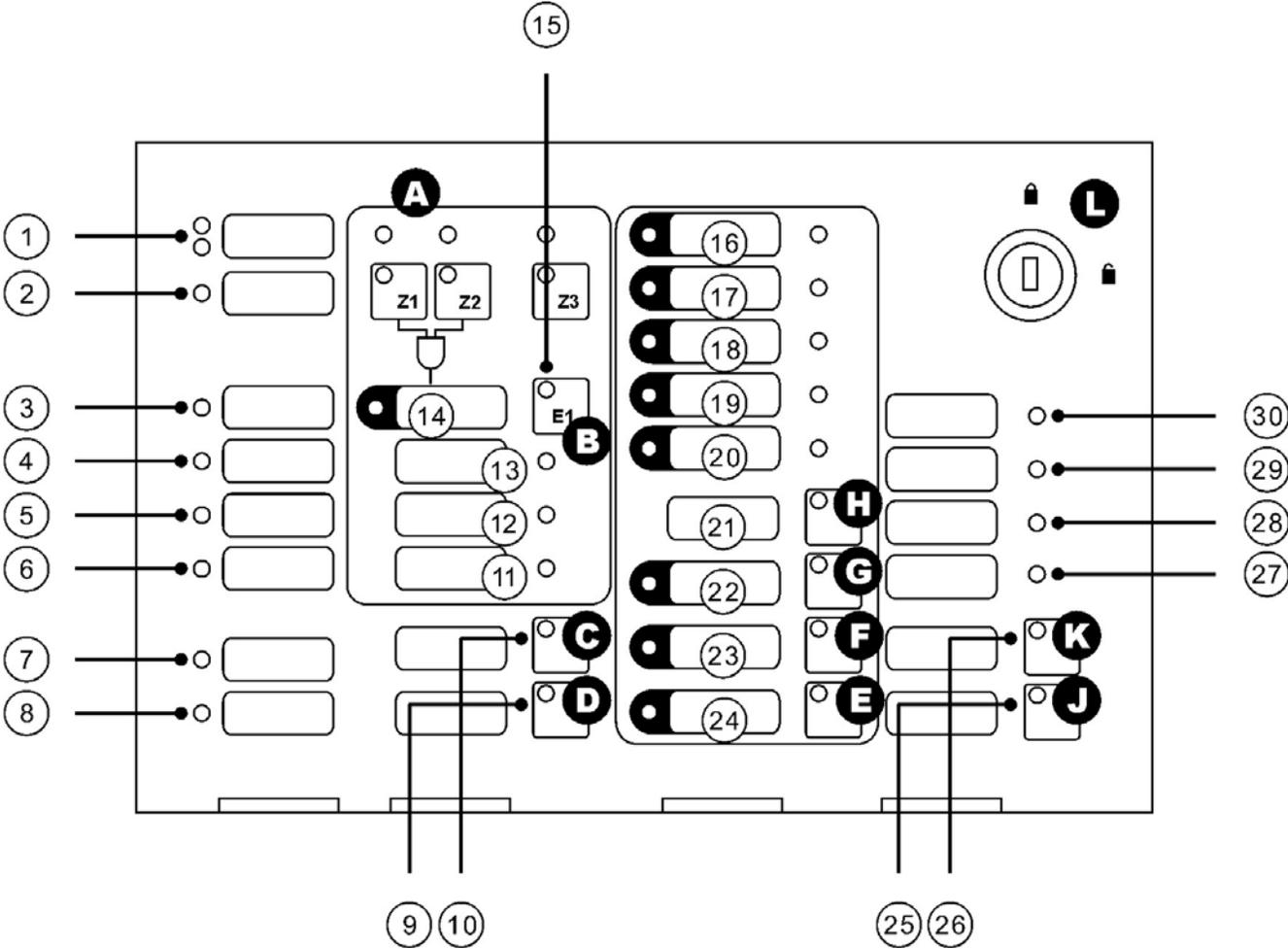# FEC403EN Extinguishing Control Panel

Supervised inputs and outputs overview (2)

- 2 x Communication outputs
  - Serial Communications (for RB/SB404)
  - RS485 Communications (for future use)
- Door monitor input
- Gas flow switch input
- Pressure switch input
- Auto/Manual mode input
- 3 x Extinguishing control MCPs
  - Abort extinguishing
  - Hold extinguishing
  - Start extinguishing
- 3 x Fire zone inputs (20 detectors or 32 MCPs)

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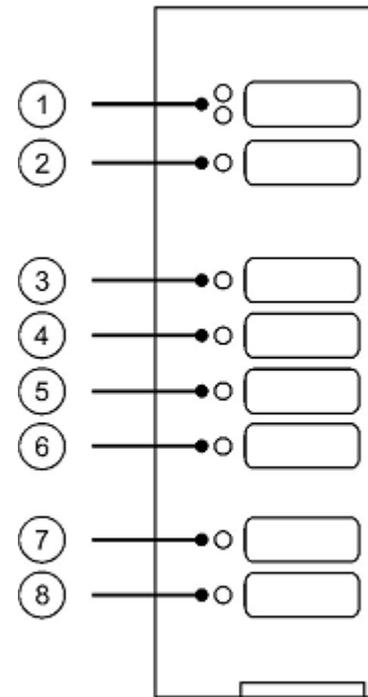# FEC403EN Extinguishing Control Panel

All controls and indications on a standard user interface

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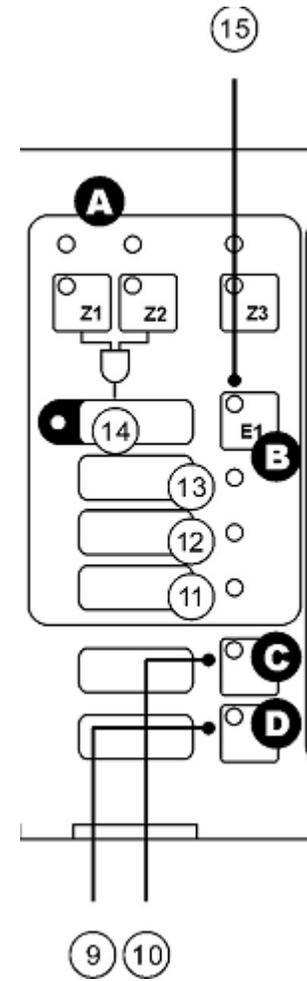
Common Indications (Block 1)

1. Fire LEDs (general / zone)
2. Fault LEDs (general / zone)
3. Maintenance LED
4. Fault return LED
5. Supply fault LED
6. System fault LED
7. Out of service LED
8. Supply on LED

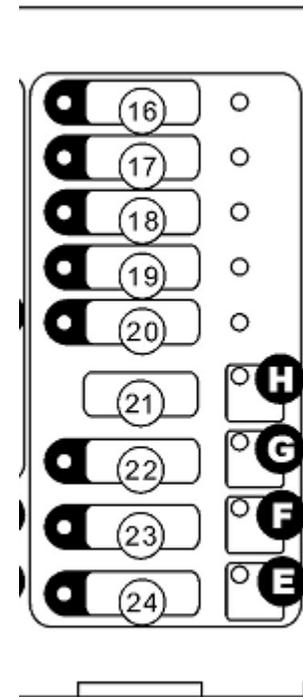# FEC403EN Extinguishing Control Panel

Indications (Block 2)

10. Test LED
11. Manual mode LED
12. Start MCP fault LED
13. Released LED
14. Extinguishing activated LED
15. Extinguishing fault / disable LED

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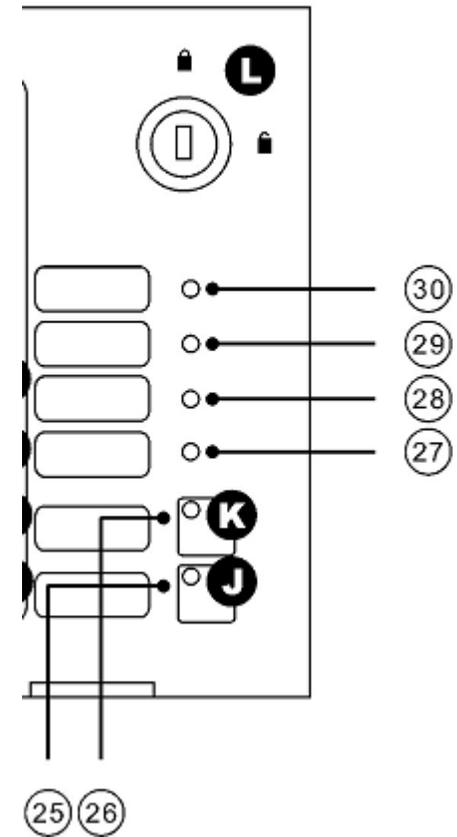
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Indications (Block 3)

16. Hold MCP LEDs (Active / Fault)
17. Abort MCP LEDs (Active / Fault)
18. Gas pressure LEDs (Active / Fault)
19. Gas flow LEDs (Active / Fault)
20. Door monitor LEDs (Active / Fault)
21. Fire Brigade delay LED
22. Fire Brigade start LEDs (Active / Fault)
23. Sounder 1 stop LEDs (Active / Fault)
24. Sounder 2 stop LEDs (Active / Fault)

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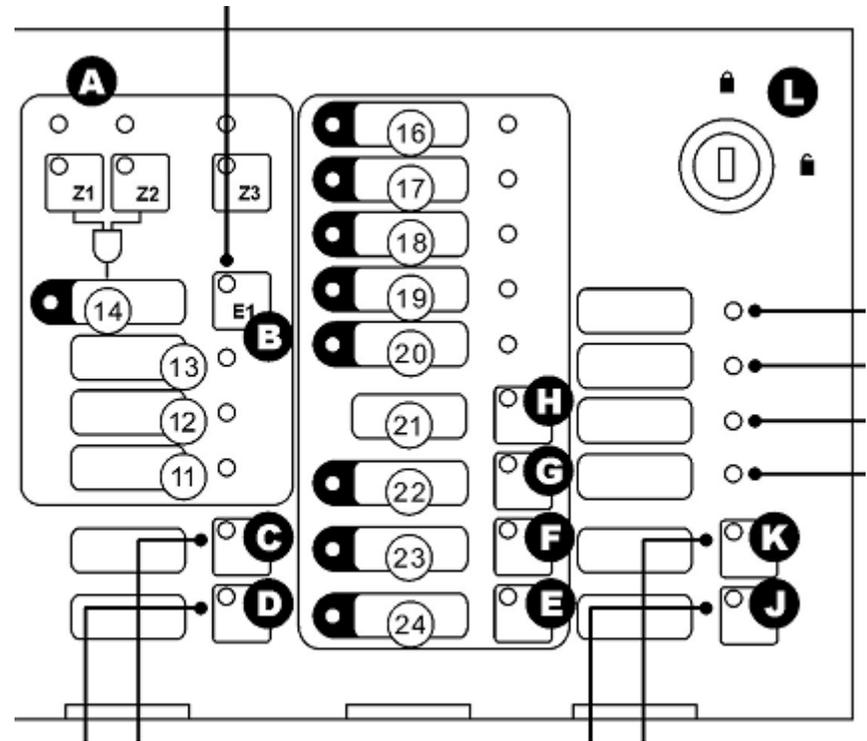
Indications (Block 4)

25. Silence buzzer LED
26. Reset LED
27. Auxiliary disabled LED
28. Warning sign fault LED
29. Evacuate sign fault LED
30. Released sign fault LED

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Front panel controls

A. Zone buttons (Z1, Z2, Z3)
B. Disable extinguishing button
C. Test button
D. Disable button (general)
E. Sounder 2 stop button
F. Sounder 1 stop button
G. Fire brigade start button
H. Fire brigade delay button
J. Silence Buzzer button
K. Reset button
L. Access key (level 1 / level 2)

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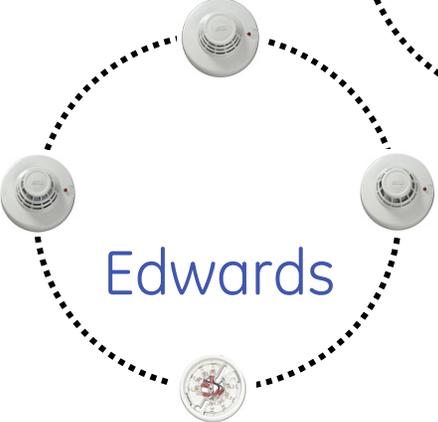
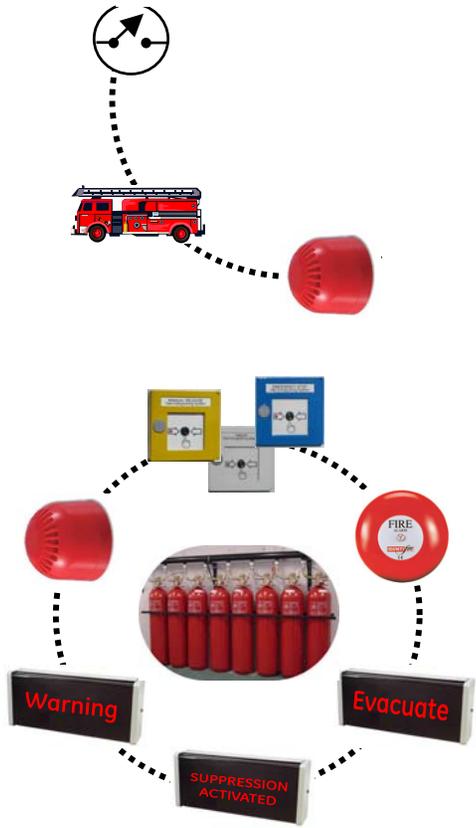# FEC403EN Extinguishing panel

System Compatibility

Kilsen

Ziton

Edwards

Aritech

Full GE Security system compatibility with all conventional devices

Warning

Evacuate

SUPPRESSION ACTIVATED

FIRE

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System Features

- **Supports the full line of EN54 approved sensors in the GE Security, Aritech, Edwards, Kilsen and Ziton brands**
- **Supports maintenance (CleanMe™) indications from the Aritech 700 Series devices**
- **Supports output expansions, both supervised and unsupervised**
- **Support active-end-of-line zones with head-out supervision**