

# EXCEL-32

EN54 APPROVED CONVENTIONAL CONTROL PANEL



Quality, reliability, ease of use and feature rich are attributes that are consistent across the entire range of Haes fire alarm control panels. The Haes Excel-32 encompasses all of these attributes to provide the fire alarm engineer's panel of choice.

For the fire alarm engineer, the Excel-32 has been designed to minimise labour costs by providing ample room for tasks such as wiring and changing batteries. Activation is via key switch or access code, which means you should always be able to work on the panel and the one man walk tests will help reduce the cost of maintaining the fire alarm system.

Simplicity is one of the most important aspects when considering the end user of a fire alarm panel. The colour coded buttons and the 3 step silence functionality gives non-technical people the confidence to correctly manage their fire alarm system.

All inputs and outputs are fully programmable and there are options to have delays to the outputs. The programming features of the Excel-32 also include 3 different modes to help reduce false alarms. Local fire authorities are demanding this type of functionality to reduce unwanted callouts from alarm receiving centres

As standard, all Excel-32 panels provide four monitored sounder circuits, Fire & Fault VFCO relays, Fire & Fault switched negative outputs, class change and an alert input.

Excel-32 panels are approved to European standards EN54-2 & 4, Fire Detection and Alarm Systems – Control & Indicating Equipment.

## Features at a glance

- 16 - 32 zones
- 3 modes to manage false alarms
- Approved to EN54-2 & 4
- 3 year warranty
- Four monitored sounder circuits
- Class change & alert, programmable inputs
- Programmable relays & outputs
- Fire alarm routing output
- One man walk test
- Key-switch or code entry for activation of controls
- Fully functional LCD remote display units



Approved to:  
EN54-2: 1997 + A1: 2006 & EN 54-4: 1997  
+ A1: 2002 + A2: 2006

| Models  | Description          |
|---------|----------------------|
| XL32-16 | 16 zone Conventional |
| XL32-24 | 24 zone Conventional |
| XL32-32 | 32 zone Conventional |
| XL-RDU  | Remote Display Unit  |

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## Compatibility

Haes panels support an extensive range of conventional fire detectors, including Apollo, Hochiki & Nittan.

False alarm management modes require a 220Ω 'Evacuate' call point for EN54 compliance.

### Main Features

- 16- 32 zones
- Activate controls via keyswitch or code entry
- Soft tactile buttons for controls & programming
- Compatible with most detectors
- Integral detector removal monitoring
- 5 Amp switch mode power supply Nom 27V DC
- 4 monitored sounder outputs
- 2 Aux C/O relays (1 x Fire) (1 x Fault), voltage free
- Class change, Alert, Silence Alarms & Reset switched -ve inputs
- Fire, Fault, Disablement & Reset, programmable switched -ve outputs
- Program delays to outputs
- False alarm management modes A, B & C
- Test mode, with or without sounders
- Disable zones, sounder O/Ps, aux O/Ps & delays
- Fire alarm routing output programmable option
- All sounder circuits are fused @ 500mA with resettable fuses.

### External Indications - Level 1

- Zones in Fire
- Zones in Fault, Disabled or In Test Mode
- Supply Healthy
- General Fire
- General Fault
- General Disablement
- Test Mode
- Sounder Status
- Aux Output Status
- Power Supply Fault
- Delay Status
- Repeater Fault
- Battery Fault
- Earth Fault
- Fire Routing Active
- Fire Routing Fault
- System Fault
- Access Level

### External Controls - Level 2

- Keyswitch or code entry 'activate controls'
- Colour coded buttons for controls and programming
- Button functions:
  - Resound
  - Silence
  - Reset
  - Disable Mode
  - Test Mode
  - Mute Buzzer
  - Test Lamps
  - Enter

### Internal Controls

- PSU Voltage adjustment
- DIL switches:
  - Zone interface quick set
  - Access level 3 mode

### Access Level 3 Options

- View event history
- Set buzzer volume
- Clear all disablements
- Initialise factory settings
- Panel wide settings including, change keypad access code, set delay time, and set number of repeater panels
- Set zonal functions including, non latching zones, short cct fire, detector removal monitoring & silent mode
- Set intrinsically safe zones
- Set panel & zones to dependency mode
- Select sounder resound options for zones (EN54 requirement)
- Program inputs
- Program outputs
- Program repeater panels

### Cabinet

- 1.2mm mild steel, lockable, 20mm knockouts
- Colour ref: Radon MW334E Interpon powdercoat
- Back box = 450mmW x 400mmH x 130mmD
- Lid = 465mmW x 410mmH x 25mm (Return)
- Max battery size = 2 x 18.0Ah, 12v, SLA



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