

# EXCEL-EN

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-EN encompasses all of these attributes to provide the fire alarm engineer's panel of choice. The Excel-EN combines the benefits of addressable panels, with the simplicity of conventional panels

For the fire alarm engineer, the Excel-EN 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-EN 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-EN panels provide two monitored sounder circuits, Fire & Fault VFCO relays, Fire & Fault switched negative outputs, class change and an alert input.

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

## Features at a glance

- 2 - 12 zones
- 3 modes to manage false alarms
- Individually selectable Twin Wire zones
- Approved to EN54-2 & 4
- 3 year warranty
- Class change & alert, programmable inputs
- Programmable relays & outputs
- Modular expansion zone cards, including additional sounder circuits
- One man walk test
- Key-switch or code entry for activation of controls
- Fully functional repeater panels
- Two monitored sounder circuits fitted as standard.



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

Models	Description
XLEN-2	2 zone Conventional or Twin Wire
XLEN-4	4 zone Conventional or Twin Wire
XLEN-6	6 zone Conventional or Twin Wire
XLEN-8L	8 zone Conventional or Twin Wire
XLEN-8	8 zone Conventional or Twin Wire (high spec zone card fitted)
XLEN-12	12 zone Conventional or Twin Wire (1 x std & 1 x high spec zone card)
TPCA04-S	Std 4 zone expansion card
TPCA04-H	High spec 4 zone expansion card

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## Compatibility

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

Twin Wire mode requires special, 'Sav-Wire' detector bases and polarised, 470Ω call points.

Dependency modes require a 220Ω 'Evacuate' call point for EN54 compliance.

### Main Features

- 2 - 12 zones
- Twin Wire, selection by DIL switch
- Activate controls via keyswitch or code entry
- Soft tactile buttons for controls & programming
- Conventionally wired, compatible with most detectors
- Integral detector removal monitoring
- 3 Amp switch mode power supply Nom 27V DC
- 2 monitored sounder outputs
- 2 Aux C/O relays (1 x Fire) (1 x Fault). voltage free
- Class change I/P
- Alert I/P
- Fire & fault switched -ve outputs
- Additional sounder circuits, relays & switched -ve outputs available via high spec expansion zone cards
- Program delays to outputs
- Dependency modes A, B & C
- Test mode, with or without sounders
- Disable zones, sounder O/Ps, aux O/Ps & delays
- Alarm load, 2.4A shared between all sounder outputs
- All sounder circuits are fused @ 500mA with resettable fuses.

### High Spec Zone Expansion Card

- 4 conventional/Twin Wire fire zones
- 2, additional, monitored sounder outputs
- 2, additional, programmable switched -ve outputs
- 1, additional, programmable aux C/O relay

### Standard Zone Expansion Card

- 4 conventional/Twin Wire fire zones

### 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
- 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:
  - Zonal Twin Wire mode
  - 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 300mmH x 85mmD
- Lid = 460mmW x 310mmH x 25mm (Return)
- Max battery size = 2 x 7.0Ah, 12v, SLA



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