

SURVEYOR-EXCEL-K 2-8 ZONE

CONVENTIONAL CONTROL PANELS

advanced fire detection

maximum control

safety control

Re-styled rigid enclosure

Highlighted operator's keys

Secure hinges

Door alignment feature



The most versatile panel of its type ever built

The new Surveyor Excel-K offers the same technical features as its predecessor, using identical circuit boards for ease of maintenance. The re-styled enclosure has enhanced aesthetics and rigidity, whilst the new keypad identifies the salient operator keys.

Designed to comply with the new EN54 Pt. 2 & 4 requirements, the Surveyor Excel-K offers comprehensive specification, while remaining competitively priced. Surface mount technology, together with a switched mode power supply, ensure the very latest techniques are used to increase reliability and performance.

TWIN WIRE Models are also available which can save up to 40% in labour and materials, while presenting a neater installation.

Two wire repeaters, detector removal and sounder walk tests are amongst the popular features of this panel.

Large Conventional Panels

9-32 zones are catered for with the new extended Surveyor Excel-K range available shortly. Please ask our Sales Department for details.



Excel-K with recessing kit and security door

PRODUCT FEATURES

- 'Activate controls' keyswitch
- Conventional and Two Wire fire alarm panels
- 2, 4, 6 & 8 zones
- Designed to EN54 Pt. 2 & 4
- Fully programmable features for maximum flexibility
- CE marked to EMC & LVD
- Surface mount technology for increased reliability
- Two wire repeaters
- Keypad controls and programming
- Comprehensive specification
- All metal enclosure for durability
- Integral event retrieval
- Hochiki 'Liveline' option
- Programming with 'windows' based software

CONVENTIONAL**"TWIN WIRE" (TWO WIRE TECHNOLOGY)**

Detection Zones	Part No.	Sounder Circuits	Standby Current mA	Part No.	Sounder Circuits	Standby Current mA	Dimensions mm	Max Alarm Load	Battery Space
2	FCPXLK-2	2	118	FCPXLK-2TW	4	91	460Lx310Hx85D	2A	7Ah x 2
4	FCPXLK-4	2	131	FCPXLK-4TW	6	99	460Lx310Hx85D	2A	7Ah x 2
6	FCPXLK-6	2	144	FCPXLK-6TW	8	107	460Lx310Hx85D	2A	7Ah x 2
8	FCPXLK-8	2	157	FCPXLK-8TW	10	115	460Lx310Hx85D	2A	7Ah x 2

Main Features

- Now with 'activate controls'keyswitch
- Conventional or Twin Wire models
- Suits many detectors (Conventional)
- Suits Apollo / Hochiki (Twin Wire)
- Integral detector removal monitoring (indicated zonally)
- 3 Amp Switch mode power supply
- Soft tactile keypad for controls & programing
- Windows based programing software
- Designed to EN54 Pt.2 & 4
- Flash memory microprocessor for easy software upgrades
- Remote silence
- Event retrieval (last 32)
- Minimum of 2 sounder outputs
- Maximum of 10 sounder outputs
- Set engineer's access code
- Two or four wire repeaters RS485
- Precinct/Class change
- Common fire and fault relays, monitored
- Voltage free aux. relays, programable zonally
- Zonal engineer's test
- Sounder walk test
- Detector removal walk test
- Disable zones and sounder circuits
- 'Auto -learn'repeater addressing

External Indications - Level 1

Common Fire, Zonal Fire
 Detector Removed, Common Fault
 Remote Fire/Fault activated/disabled
 Test Mode, Disabled
 Sounder Fault, Program Mode
 ARW, Earth, PSU
 Supply healthy

External Controls - Level 2

Keyswitch 'activate controls'
 Keypad for controls and programing
 Keypad function
 'Silence Alarms'
 'Reset'
 'Sound Alarms'
 'Isolate Remote'

Internal Indications - Level 3

PSU Faults: battery, mains, earth and voltage (high/low)
 Communications link TX/RX

Internal Controls - Level 3

Battery start switch
 PSU Voltage control
 Buzzer volume control
 Programing DILswitch

Keypad Programing via engineer's code or PC with 'windows' based software.

Quantity of Repeaters 0-8 units	Select zone of origin sounders
Zone delay 0-255 seconds	Select zonal sounders
Fault latch, for locating intermittent faults	Voltage output responses (zonal), continuous, pulsing, or none
Programable outputs	Voltage output responses (global), continuous, pulsing, or none
Programable monitored circuits	Select voltage outputs, clear on silence or reset
Invert common fault voltage output	Select voltage outputs, isolateable or not
Invert common fault monitored output	Monitored circuit responses (zonal), continuous, pulsing, or none
Zonal fire latch/non latch	Monitored circuit responses (global), continuous, pulsing, or none
Zonal pre-1988 (short circuit fire)	Monitored circuits clear on silence or reset
Detector removal options, schottky, zener or none	Monitored circuits isolateable or not
Delayed zone operation	Interrogate log
Sounder circuit responses (zonal), continuous, pulsing, or none	Set defaults
Sounder circuit responses (global), continuous, pulsing, or none	Set engineer's access code
'Twin Wire'sounder mode EN54 or BS5839 (TW panels only)	Remote fire/fault O/Ps convert to sounder circuits

Suitability*Conventional:*

- Smoke/Heat Detectors: Nittan Sensortec, STB-4SD schottky base
 Apollo Series 60, 45681-201 schottky base
 Hochiki CDX range, YBO-R-5SK schottky base
 CDX range, YBO-R-5ZD zener base
- Call Point: KAC WR2072-SR 470 12
- Sounders: Use polarised and suppressed, light current 24V
 DC electronic sounders or bells (Besson, Fullleon, Synchrobell etc)

'Twin Wire'

- Smoke/Heat Detectors: Apollo Series 60, 45681-202 Base
 Hochiki CDXrange, YBO-R-5PA Base
- Break Glass Call Point: WR2013-SR polarised 470 12
- Sounders: Use polarised and suppressed, light current 24V
 DC electronic sounders or bells (Besson, Fullleon, Synchrobell etc)

Additional Specification

- Power Supply: 230V 50Hz Current limited to 3 Amp 24V DC for SLAbatteries
- Cabinet: Light grey, 18swg mild steel, lockable, with knockouts.
- End of Line: Sounder and Detection circuits 4K7 12

**Repeater Panel Specification Passive/Active
FCRPXLK-8 and FCRPXLK-16**

Indications: Common Fire, Zonal Fire and Fault and all main panel faults.
 Keypad mute tone and LED test.
 2 Auxiliary Circuits, 2 Programable O/Ps, 2 Programable Sounder Circuits,
 Integral 2 amp PSU.
 Space for up to 7 Ah Batteries.

Additional Equipment

FCRPXLK-8 Repeater panel, 8 zone, fully functional, 2 wire Connection, 2 Amp PSU	FCRP-BDXLK-8 Combined repeater panel with 8 way programable bell driver
FCRPXLK-E Budget Repeater panel, 16 zone, silence and reset only, no PSU	SW-XLK-WIN Flash programing software for 'Windows'
BD-EXCEI-8 8 way programable bell driver unit, boxed	FMK-XLK-A Flush mounting kit for 2-8 zone Excel. Light grey finish.

