SURVEYOR EXCEL-K 2-8 ZONE
CONVENTIONAL CONTROL PANELS

The most versatile panel of it's type ever built

The new Surveyor Excel-K offers the same technical features as it's 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 programable features for maximum flexibility
- CE marked to EMC & LVD
- Surface mount technology for increased reliability
- Two wire repeaters
- Keypad controls and programing
- Comprehensive specification
- All metal enclosure for durability
- Integral event retrieval
- Hochiki 'Liveline'option
- Programing 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
Zone delay 0-255 seconds
Fault latch, for locating intermittent faults
Programable outputs
Programable monitored circuits
Invert common fault voltage output
Invert common fault monitored output
Zonal fire latch/non latch
Zonal pre-1988 (short circuit fire)
Detector removal options, schottky, zener or none
Delayed zone operation
Sounder circuit responses (zonal), continuous, pulsing, or none
Sounder circuit responses (global), continuous, pulsing, or none
'Twin Wire'sounder mode EN54 or BS5839 (TW panels only)

Select zone of origin sounders
Select zonal sounders
Voltage output responses (zonal), continuous, pulsing, or none
Voltage output responses (global), continuous, pulsing, or none
Select voltage outputs, clear on silence or reset
Select voltage outputs, isolateable or not
Monitored circuit responses (zonal), continuous, pulsing, or none
Monitored circuit responses (global), continuous, pulsing, or none
Monitored circuits clear on silence or reset
Monitored circuits isolateable or not
Interrogate log
Set defaults
Set engineer's access code
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 Ω
- Sounders: Use polarised and suppressed, light current 24V DC electronic sounders or bells (Besson, Fulleon, 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 470Ω
- Sounders: Use polarised and suppressed, light current 24V DC electronic sounders or bells (Besson, Fulleon, 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 Ω

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