

SURVEYOR-ENVOY 1-4 ZONE

CONVENTIONAL CONTROL PANELS



Designed and built without compromise

Superbly styled and designed to meet the current EN54 requirements, the NEW Surveyor Envoy combines value for money with an advanced specification. Available as a one zone extendible to 4 zones, either with the addition of 3 hy-spec single zone cards, or a combined budget 3 zone card. A compact, single zone is also available for the smaller installation.

'Twin Wire' operation can now be selected by simple link removal.

State of the art, surface mount technology and automatic test machinery, ensure that high standards of reliability and performance are maintained.



PRODUCT FEATURES

- 1 zone extendible to 4 zones
- Available as a compact 1 zone
- Designed to EN54 Pt. 2 & 4
- Comprehensive specification
- Zonal sounders & Auxs
- Max 5 sounder outputs
- Zone/sounder disablements
- 4 wire to "Twin Wire" link selection
- Integral detector removal monitoring
- 3 Wire compatible (budget model)
- Keypad controls and programming
- Engineer's walk test
- Precinct inputs
- Surface Mount Technology for increased reliability
- CE marked for EMC & LVD
- Hochiki 'Live line' selection
- Lockable, metal enclosure for durability
- Slide-in zone chart
- Distinctive styling

Part No.	Zones	Description	"Conventional" Qty Sounder ccts	"Twin Wire" Qty Sounder ccts	Total Sounder Load (Amps)	Quiescent Current	Panel Current in Alarm	Max Batteries
FCPENV 1	1	Compact, hy-spec	2	2	1	57 mA	100 mA	4.5 Ah
FCPENV 1 EXT	1	Extendable, hy-spec,	2	2	1	57 mA	100 mA	7 Ah
TPC ENV 1Z	1	Zone card, hy-spec	1	1	-	19 mA	56 mA	-
TPC ENV 3Z	3	Combined zone card, budget spec	0	-	-	28 mA	35 mA	-

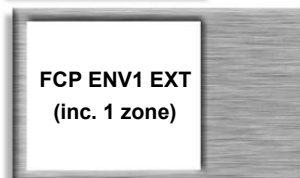
Main Features (common to all panels)

- 1 - 4 zones available
- Suits most detectors
- Zonal sounders
- 4 Wire or "Twin Wire"
- Activate controls keyswitch
- Soft tactile keypad for controls & programming
- Conventionally wired, compatible with most detectors
- Integral detector removal monitoring by zone
- 1 Amp linear power supply, Nom. 24V DC
- Designed to EN54 Pt. 2 & 4
- Min 2 sounder outputs
- 2 Aux C/O relays (1 x Fire) (1 x Fault), voltage free
- Zonal & common repeater O/Ps
- Precinct/class change I/P
- Zonal walk test, with or without sounders
- Sounder walk test
- Integral detector removal monitoring
- Hochiki "Live line" selection
- Slide-in zone chart
- Detector removal walk test
- Disable zones, sounder O/Ps & Aux O/Ps
- Remote Silence & Reset inputs
- Monitored Evacuate Input
- 3 wire compatible (budget version only)
- Alarm load; 1 Amp shared between sounder outputs

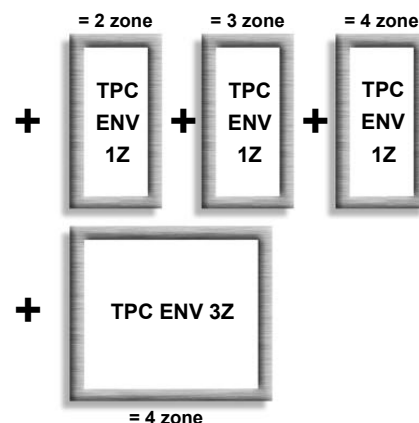
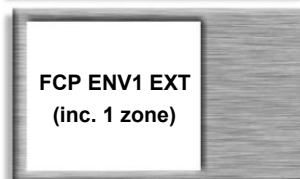
**Compact
1 zone
hy-spec**



**Extendible
1 - 4 zone
hy-spec**



**4 zone
budget**



NB. Extension cards purchased seperately

Additional Features for hy-spec versions

Link selectable:

- Conventional 4 wire to "Twin Wire"
- "Twin Wire", suits Hochiki & Apollo (see below)
- Link selectable: zonal fire non latch
zonal short circuit fire
zonal "Twin Wire"
zonal sounders
- Zonal voltage free c/o relay
- Max 5 sounder outputs (4 zone)

Additional Features for budget versions

- Aux relay, common, voltage free c/o
- Link selectable: zonal fire non latch
short cct = fire
- Zenner clamp, Hochiki, "Live Line" Selection
- 3 Wire circuit operation

External Indications at level 1

Common Fire, Zonal Fire,
Zonal Fault, Common Fault,
Zone Disabled, Sounder Disabled,
Sounder Fault, Detector Removed,
Zones/Sounders in Test
Remote Signals : Fire, fault,
Activated, Faulty/Disabled,
Supply Healthy, Test Mode,
Disabled, ARW, PSU, Earth

External Controls at level 2

'Activate Controls'keyswitch,
Silence Alarms, Reset,
Isolate Remote, Test Mode
Disabled, Test Leds,
Keypad

Internal controls at level 3

PSU voltage control
Buzzer volume
Link selectors

Keypad Programming

Test mode with/without sounders,
Select Test Zone
Select sounder walk test
Zone disable
Sounder disable
Fault latch

Suitability

Conventional

- Smoke/Heat Detectors: Nittan Apollo Series 60 & 65, 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 & 65, 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

- Input Supply: 230 Volts 50Hz, Fused terminal block
- Power Supply: Current limited 1 Amp, suits SLAbatteries only. Charging voltage 27.6 volts DC ± 0.2V
- Cabinet: 18 swg mild steel, 20mm knockouts, colour reference; BS4800 18B17 Blue mink, textured, powder coat
- Cabinet Size: 1 zone 277 W 200 H 97 D mm
1 - 4 zone 400 W 200 H 97 D mm
- End of line devices: Detection, sounders & monitored I/Pcircuits: 4K7Ω
- Earth continuity: 4 way brass terminal block

Repeater panel: FCRP- L04 1-4 zone (as Level)