



# ENVOY

## 1-4 ZONE CONVENTIONAL CONTROL PANEL

### PRODUCT FEATURES

- 1 ZONE EXTENDABLE TO 4 ZONES
- AVAILABLE AS A COMPACT 1 ZONE
- DESIGNED TO EN54 PT. 2 & 4
- COMPREHENSIVE SPECIFICATION
- ZONAL SOUNDERS & AUX RELAYS
- MAX 5 SOUNDER OUTPUTS
- ZONE/SOUNDER DISABLEMENTS
- 4 WIRE TO 'TWIN WIRE' SELECTION BY DIL SWITCH
- 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
- LOCKABLE, METAL ENCLOSURE FOR DURABILITY
- SLIDE-IN ZONE CHART (EXTENDABLE VERSION ONLY)
- DISTINCTIVE STYLING
- NETWORK ADAPTER CARD UP TO 4 PANELS



### ENVOY. DESIGNED AND BUILT WITHOUT COMPROMISE.

Superbly styled and designed to meet the current EN54 requirements, the Surveyor Envoy combines value for money with an advanced specification. Available as a one zone, extendable 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 be chosen by switch selection.

Up to four panels can be networked together by means of accessory network cards, using a 2 core communication cable. This also enables panels to be used as 2 wire repeaters. Alternatively, simplified indication only repeater stations are available which use conventional multi-core wiring.

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

# ENVOY

## FEATURES

Part No	Zones	Description	No. of Conventional Sounder ccts	No. of 'Twin-Wire' Sounder ccts	Quiescent Current	Panel Current in Alarm
FCPENV-1	1	Small cabinet, fixed 1 zone, hy-spec	2	2	57mA	100mA
FCPENV-1EXT	1	Expandable 1 zone, hy-spec	2	2	57mA	100mA
FCPENV-1EXT-L	1	Expandable 1 zone, hy-spec, large cabinet version	2	2	57mA	100mA
PCENV-1Z-5	1	Hy-spec zone card	1	1	19mA	56mA
PCENV-3Z-5	3	Budget spec combined zone card			28mA	35mA
PCENV-NET		Network adaptor card			3mA	

### MAIN FEATURES (COMMON TO ALL PANELS)

- 1-4 zones available
- Suits most detectors
- Zonal sounders
- 4 Wire or Twin Wire, selection by dil switch
- Activate controls keyswitch
- Soft tactile keypad for controls & programing
- 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
- Slide-in zone chart (extendable version only)
- 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
- Networking accessory card for up to four panels

### ADDITIONAL FEATURES FOR HY-SPEC VERSIONS DIL SWITCH SELECTION:

- Conventional 4 wire to 'Twin Wire'
- 'Twin Wire', suits Hochiki & Apollo (see below)
- Switch 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
- Zonal fire non latch
- Short cct = fire
- 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
- Dil switches

### KEYPAD PROGRAMMING

- Test mode with/without sounders.
- Select Test Zone
- Select sounder walk test
- Remote output test
- Zone disable
- Sounder disable

### SUITABILITY

#### Conventional

Smoke/Heat Detectors:	Nittan	Sensortec, STB-4SD Schottky base
	Apollo	Series 65, 45681-201 Schottky base
	Hochiki	CDX range, YBN-R-6SK Schottky base
		<i>For other detectors please consult the manufacturer</i>
Call Point:		Must have 470 OHM Series resistor fitted
Sounders:		Use polarised and suppressed, light current 24vdc electronic sounders or bells

#### 'Twin Wire'

Smoke/Heat Detectors:	Apollo	Series 65, 45681-206 base
	Hochiki	CDX range, YBO-R-6PA base
Call Point:		Must have 470 OHM Series resistor & polarising diode fitted
Sounders:		Use polarised and suppressed, light current 24vdc electronic sounders or bells

### ADDITIONAL SPECIFICATION

#### Input Supply

- 230 Volts 50Hz, Fused terminal block

#### Power Supply

- Current limited 1 Amp, suits SLA batteries only
- Charging voltage 27.6 volts DC  $\pm$  0.2V

#### Cabinet

- 18 swq mild steel 20mm knockouts, colour reference. Radon MW334E Interpon Powdercoat.

#### Cabinet Size

- 1 zone: 277W x 200H x 97D mm
- 1-4 zone: 400W x 200H x 97D mm
- 1-4 zone large: 400W x 300H x 97D mm

#### EOL devices

- Detection, sounders & monitored I/P circuits  
4K7 OHM

#### Earth continuity

- 4 way brass terminal block

### REPEATER PANEL

- FCRP - L04 1-4 zone
- Or use standard Envoy with network card PCENV-NET
- Requires only 2 signal cables (plus local 230vac supply)