



Residential Fire Control Panel

NZS4514 applications

Head Office

Wellington

PO Box 35-063
Naenae
Lower Hutt 5041
17 Eastern Hutt Rd
Wingate
Lower Hutt 5019
Tel (04) 567-3229
Fax (04) 567-3644

www.pertronic.co.nz

sales@pertronic.co.nz
tech@pertronic.co.nz

Auckland Office

PO Box 15-867
New Lynn
Auckland 0640
359 Onehunga Mall
Onehunga
Auckland 1061
Tel (09) 633-0226
Fax (09) 633-0228



ISO 9001: 2000

International
Standards
Certifications
QAC/R61/0051

Product Overview:

The Pertronic Residential Fire Control Panel is a cost effective, easy to use single zone, two-wire fire alarm system; it is designed to meet the requirements of NZS4514:2009 for the residential housing market.

This simple to install unit is housed either in a dual gang flush box or in a surface mount enclosure.

The fascia of the panel includes an intuitive user interface with clear operating instructions.

An onboard rechargeable battery provides 48 hour standby in case of a mains failure.

The Residential Fire Control Panel supports the System Sensor 2WTA-B combined heat and smoke detector with built in sounder. This provides for a fully monitored fire detection and sounder zone over a simple two wire connection.

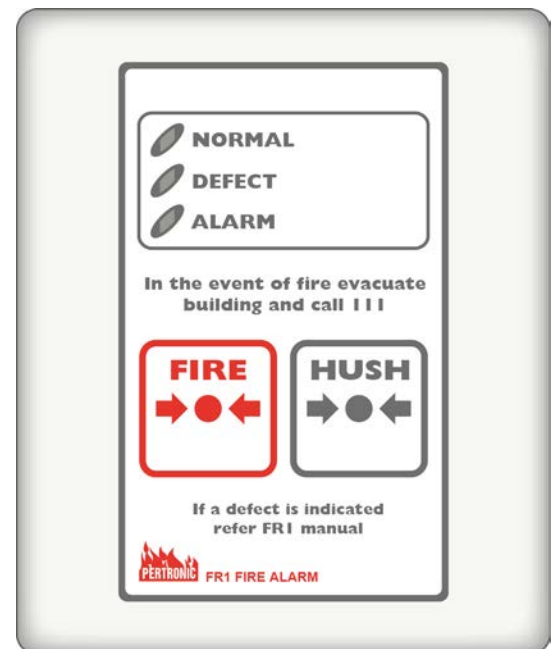
Integral Hush facility silences sounders for 2 minutes from a smoke detector alarm.

The panel has a built-in Sounder Test and a panel reset function.

The unit can be optionally interfaced to other monitoring equipment. The unit has integral Fire, Defect and Test relays.

Features:

- ▶ Fully monitored two wire single zone combined detection and sounder system.
- ▶ Up to 10 System Sensor 2WTA-B combined Heat & Smoke detectors with built-in sounders
- ▶ Fully monitored Sprinkler input.
- ▶ Mains-powered.
- ▶ Polyswitch-fused charging/supply connection for 12 V 1.2 Ah battery (Not supplied).
- ▶ Mains failure stand-by period 48 hours (with recommended battery).
- ▶ Intuitive front panel user interface.
- ▶ Hush Function.
- ▶ Detectors automatically reset at the end of the Hush period.
- ▶ Flush or surface-mount enclosure
- ▶ Fire, defect and test changeover relays
- ▶ Earth defect monitoring.
- ▶ Standard PDL dual flush cover.



Specifications:

Electrical:	Operating Voltage 12Vdc		Normal Current 14.5mA at 12Vdc	Alarm Current 33mA at 12Vdc
Environmental:	Operating Temperature Range 0 to +40 °C		Humidity 10 to 95% RH (non-condensing)	
Mechanical:	Dimensions (H x W x D mm)	Weight	Material	Colour
Enclosure: Flush or surface	150 x 122 x 70	900g including battery	Lid Cover ABS Box 1mm mild steel	White powder coated

- ▶ Power Supply: 230Vac, 50Hz, 1.5VA. Output 13.7Vdc @ 120mA.
- ▶ Battery Type: Gelcell 12Vdc, 1.2Ah, internally mounted.
- ▶ Charger: Integral float charger 13.7Vdc.
- ▶ PSU Timer: 24-Hour load test with automatic 'Battery Absent' detection circuitry.

FH1\FR1-SM



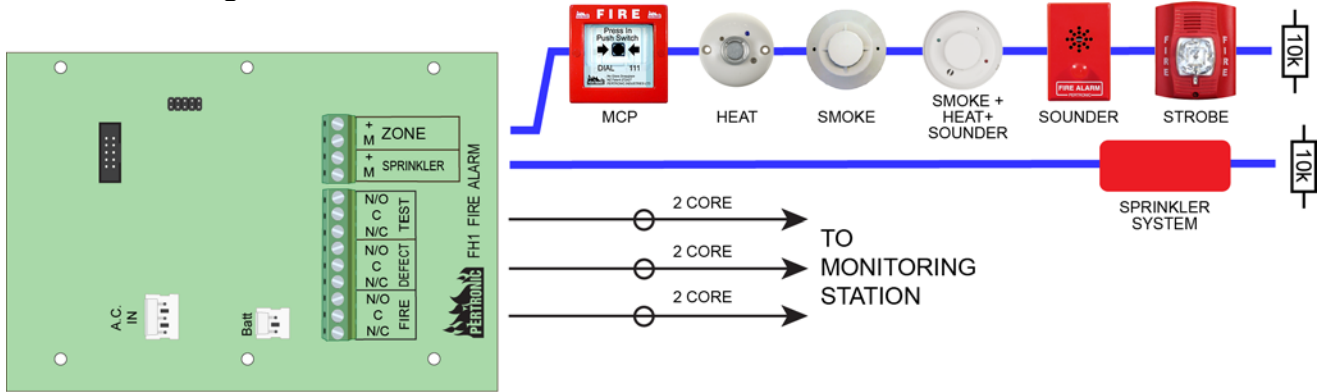
Surface Mount

FH1\FR1-FM



Flush Mount

Connection Diagram:



Ordering Information:

Product Code	Description	Product Code	Description
Fire Alarm Control Panels		Heat Detectors	
FH1-FM	HNZC flush mount panel w/sprinkler input, NZS4514 compliant	IHDB-V	Indicating Heat Detector, Blue (57°C)
FH1-SM	HNZC surface mount panel w/sprinkler input, NZS4514 compliant	IHDY-V	Indicating Heat Detector, Yellow (79°C)
FH1-BO	Braille overlay, Fire & Hush	Smoke + Heat Detector with Sounder	
FR1-FM	Residential flush mount panel w/sprinkler input, NZS4514 compliant	2WTA-B	i3 Series Photo/Heat Detector + Sounder 2 Wire
FR1-SM	Residential surface mount panel w/sprinkler input, NZS4514 compliant	Sounders	
Manual Call Points (MCP)		PS1-R	Pertronic Sounder AS2220 Flush-Red
CPPIN-3T	Conventional Indicating Call-Point	PS1-W	Pertronic Sounder AS2220 Flush- White
CPPIN-3TWP	Weatherproof Conventional Indicating Call-Point	Strobe	
Smoke Detectors		SR	SpectrAlert Advance 2 Wire Strobe 12/24V
2151BPI	System Sensor Low Profile Photo Detector excl Base		
B401R	B401 Base with 470 ohm series resistor		

PERTRONIC INDUSTRIES LTD

Head Office:

17 Eastern Hutt Rd, Wingate, Lower Hutt 5019
 Telephone (04) 567-3229 Fax (04) 567-3644

www.pertronic.co.nz
 sales@pertronic.co.nz
 tech@pertronic.co.nz

Auckland Office:

359 Onehunga Mall, Onehunga, Auckland 0161
 Telephone (09) 633-0226 Fax (09) 633-0228

'Pertronic' and 'Firetronix' are registered trademarks of Pertronic Industries Ltd