



Residential Fire Control Panel

NZS 4514 applications

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ISO 9001: 2008

International
Standards
Certifications
QAC/R64/0012

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 NZS 4514: 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 12 Vdc		Normal Current 14.5 mA at 12 Vdc	Alarm Current 33 mA at 12 Vdc
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	900 g including battery	Lid Cover ABS Box 1 mm mild steel	White powder coated

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

FH1\FR1-SM



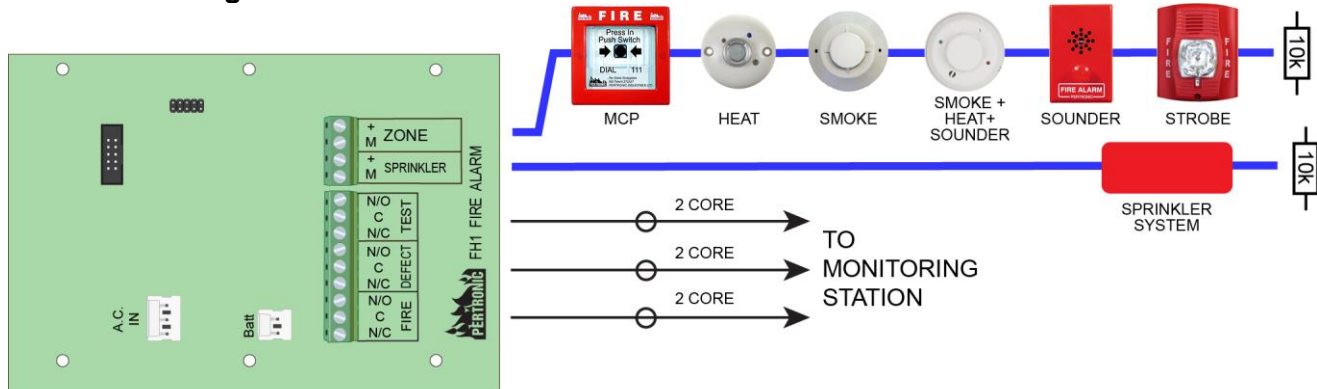
Surface Mount

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, NZS 4514 compliant	IHDB-V	Indicating Heat Detector, Blue (57°C)
FH1-SM	HNZC surface mount panel w/sprinkler input, NZS 4514 compliant	IHDY-V	Indicating Heat Detector, Yellow (77°C)
FH1-BO	Braille overlay, Fire & Hush	Smoke + Heat Detector with Sounder	
FR1-FM	Residential flush mount panel w/sprinkler input, NZS 4514 compliant	2WTA-B	i3 Series Photo/Heat Detector + Sounder 2 Wire
FR1-SM	Residential surface mount panel w/sprinkler input, NZS 4514 compliant	Sounders	
Manual Call Points (MCP)		PS1-R	Pertronic Sounder AS2220 Flush-Red
CPPIN-3T	Conventional Indicating MCP - Testable	PS1-W	Pertronic Sounder AS2220 Flush- White
CPPIN-3TWP-MK2	Conventional Indicating MCP Testable – Weatherproof, MK2	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		

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