

RFP – Residential Fire Panel

RFP6V2	6 zone residential fire panel
RFP12V2	12 zone residential fire panel
RFP18V2	18 zone residential fire panel



The Brooks RFP V2 Series of Residential Fire Indicator Panels complete with the compatible smoke/heat alarms provides an automatic fire detection and warning system designed to meet the requirements of the Australian Standard AS3786:2014 and the Building Code of Australia (BCA).

The RFP V2 series employs smoke and/or heat alarms with electronic interconnect signaling, to initiate both audio and visual means of fire alarm warning. The panel provides the added feature of supervising the zone circuitry for open or short circuit fault condition. The Defect Mode output provides a means of monitoring whenever the system is placed either deliberately or accidentally into a nonstandard condition. i.e. Mains fail, Panel switched off, detection device line fault, ancillary outputs isolated.

The RFP V2 series system takes advantage of the effectiveness of the smoke alarm within residential applications, in that the one device provides both detection and warning, but seeks to apply the system design principles usually reserved for commercial detection based products. Applying AS1670 design principles to a smoke alarm system enables features such as zoning and the control of ancillary devices such as door locks or hold open devices to also be used. It further allows the designer to consider standby and alarm times needed for the specific application, then design the residential system to suit, a traditional fire protection systems approach.

It must be emphasised that the RFP V2 system is not a smoke detection system (as per AS1670.1) as defined in the BCA, it is a smoke alarm system that has been provided with additional functionality beyond the basic use of 230Volt smoke alarms which allows the AS1670.1 design principles to be used

Features

- Supervised 6, 12 or 18 Zone Options
- Alarm locate function, Silences all Smoke/Heat Alarms except those initiating the alarm
- Common or independent alarm operation
- Common or independent zone operation
- General alarm confirmation period: 0 Sec, 30 Sec or 60 Sec

Options

- SUB365A – 6 Zone Output Card – 2 sets dry contacts per zone
 - Optional Mimic Panels
- 24 / 48 / 72 Alarm Indications, custom built.

Technical Specification

Power Supply	Input 230V AC, Output 14.5 Vdc @ 3.4A
Standby Supply	12V SLA battery (based on battery calculation)
Key Switch Operation	“ON” System On – Charger On “OFF” System Off – Charger On “FIRE” Activates all Smoke/Heat alarms
Fault Output	1 set changeover dry contact
Alarm Outputs	12Vdc 1 Amp maximum (not monitored) 1 set changeover dry contact
Panic Input	N/O Input – activates all Smoke & Heat Alarms Note: not monitored
IP Rating	IP31
Enclosure	Powder coated zink anneal steel with acrylic door window
Dimensions	RFP6V2: 390mmH x 310mW x 170mmD (with door) RFP12V2: 680mmH x 320mmW x 170mmD (with door) RFP18V2: 680mmH x 320mmW X 170mmD (with door)

Compliance

Designed to meet the requirements of the Australian Standard AS3786-2014 and the Building Code of Australia (BCA).

Compatible Devices

Device	Description
*EIB650IW X	Photoelectric Smoke Alarm
*EIB603CX	Heat Alarm
BA-B-RFP6	Heat Detector 60°C
BA-D-RFP6	Heat Detector 80°C

*When used in conjunction with BAX16 interface base