

# BARFS1 – Residential Fire Panel



Brooks recognise that smoke detection for residential applications requires special consideration. The BARFS-1, Residential Fire Safety System complete with compatible smoke / heat alarms and auxiliary devices provides a complete single zone automatic fire detection and alarm system for residential applications.

The BARFS-1 is designed to meet the requirements of the Building Code of Australia - (Smoke Alarm System) and incorporates smoke alarms to Australian Standard AS3786; and heat alarms to Australian Standard AS1603.3.

The BARFS-1 system consists of a control panel, operator module via an RS485 bus (4 wires) which provides both status indication and function controls for smoke alarms, heat alarms and auxiliary devices such as pillow shakers for the hearing impaired

The BARFS-1 has both an alarm and fault output for either remote monitoring and/or the operation of ancillary equipment. For an alarm condition; two priorities can be selected. Priority 1 activates the alarm output relay and initiates the sounder in each smoke/heat alarm. Priority 2 activates only the smoke/heat alarm sounders. An important feature of the BARFS-1 is its ability to discriminate between the activation of a smoke or heat alarm. This combined with the alarm priority selection enables enhanced flexibility in system design to overcome the effects of nuisance alarms and provide for the integration of the BARFS-1 to other alarm systems. BARFS-1 provides not only a truly Deemed to Satisfy Solution but includes additional functions and facilities to allow design flexibility for customising the installation to the application.

## Features

- Alarm locate function, Silences all Smoke/Heat Alarms except those initiating the alarm
- Alarm Priority feature discriminates between Smoke and Heat alarm activation which enables the system to respond differently to the type of detection.
- Input and output devices monitored and controlled via common wiring
- Remote Keypad via an RS485 bus

## Technical Specification

Power Supply	Input 85-264V AC, Output 15V DC adjustable to +/- 10%, Current 3 Amp @ 12 V DC
Standby Supply	12V(7AH) Sealed Lead Acid battery
Alarm Circuit	One supervised circuit with alarm type discrimination
Devices per Circuit	15 Smoke/Heat Alarms, and or 4 output devices, confirmed by battery calculation.
Alarm Circuit Monitoring	Fully supervised by active end of line device
Defect Output (Fault)	1 set changeover dry contact
Alarm Outputs	Supervised 12V DC 1 Amp fused 1 set changeover dry contact
Visual Indications	Power ON LED, mains power available Alarm LED, priority 1 and or priority 2 alarm Defect LED, common defect / fault
Enclosure	Powder coated 1.6 mm zink steel
Dimensions	280mmH X 305mmW X 75mmD

## Compliance

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

## Compatible Devices

Device	Description
*EIB650IWX	Photoelectric Smoke Alarm
*EIB603CX	Heat Alarm
EIB207V	Vibration Pad (pillow shaker)
EIB208ST1	High Intensity Strobe for Sleeping area
EIB208ST2	Strobe Light for Living Areas
EIB209IO	Generic Input/Output Module
HS60V2	Heat Detector 60°C
HS80V2	Heat Detector 80°C

\*When used in conjunction with BAX16 interface base