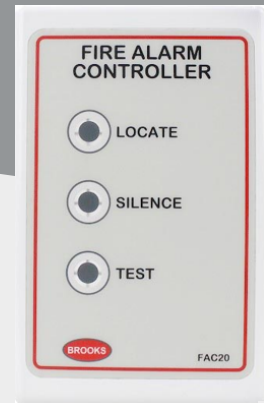


FAC20 - Alarm Controller



Mains Powered 230V

Key Features

- Remote test, locate and silence hardwired interconnected Smoke / Heat / CO Alarms
- Requires only 3 wires: Active, Neutral and interconnect. Use standard easi fit base.
- Flush or surface mount
- Supervised clean opto-isolated input contact to externally drive the interconnected alarms
- Connected in a centralised location to any Alarm in the system, not required to be the first device in a circuit
- Provided with PCB components cover, only plug-in terminals are accessible
- Conforms to AS/NZS 62368.1:2018

Product Description:

Smoke Alarms are designed to detect smoke particles in the air however, other airborne particles, i.e. steam, cooking fumes, dust, etc can cause smoke alarms to false alarm. With interconnected smoke/heat/CO Alarms, when one alarm activates, all alarms will sound. The FAC20 is a three button Alarm Controller intended to provide the occupant with a full control over a hardwired interconnected Alarm system.

Functions of Fire Alarm Controller buttons:

- **Locate:** silences all Alarms in a hardwired interconnected residential alarm system except the Alarm sensing smoke, heat or CO.
- **Silence:** following the identification of the alarm source, pressing the "Silence" button will silence only the active Alarm(s) in the system for 10 minutes same as the HUSH feature in the Smoke Alarm. New alarm from non-active Alarms will activate all Alarms including the one in silence mode.
- **Test:** activates the sounders of all hardwired interconnected Alarms. The FAC20 also provides an isolated supervised clean-contact input to trigger the sounders in all interconnected Alarms from external N/O contact e.g. sprinkler flow switch input, panic input, etc. wiring supervision is only for open circuit whilst short circuit will activate all the interconnected Alarms.

The FAC20 is not a battery backed device. It is not functional without mains voltage supply.

Up to 2 x FAC20 can be connected in the same interconnected Alarm circuit, provided all the Alarms are of EIB3000 series. For EIB140RC series and EIB160e series, only one controller can be used for each interconnected circuit.

Technical Specification:

Power Supply: 230V AC, 50Hz, 20mA

Operating Temperature: -10 to +40 degree C

Dimensions: 117.5H x 75W x 30D mm

Interconnection: Up to 12 interconnected Smoke/Heat/CO Alarms including FAC20

Wiring: Only 3 wires required: active, neutral and interconnect. No requirements to isolate neutral and battery negative i.e. no EIBPLATE required

Trigger Input: 4.7k ohm end of line resistor
Up to 100-meter 1.5 mm² cable
Short circuit activates the sounders of all Alarms
Open circuit generates a fault indication

Fault Indication: External trigger Input wiring Open Circuit and Memory Fault

Mounting: Flush or Wall mounted, Wall box, GPO box

Approvals: AS/NZS 62368.1:2018



Compatibility:

The FAC20 can be used with Brooks 230Vac hardwired interconnectable range of smoke / heat / CO alarms:

EIB3000 Series : EIB3016, EIB3024, EIB3014, EIB3028, EIB3018

EIB140RC Series: EIB146RC, EIB144RC, EIB141RC

EIB160e Series: EIB166e, EIB161e

Note: For full specifications and limitations, refer to the specific product data sheet.