# FIRE ALARM CONTROL PANEL BS-200M

**Autroprime interactive fire detection system**
**Product Datasheet**

## Features

- SelfVerify-function for automatic testing of detectors
- Automatic setup
- Automatic addressing of detectors
- Four loops
- Built in changeover for primary/emergency mains power
- USB for data transfer to/from memory stick.
- User-friendly display and operator controls
- Back-lit operating buttons. Text display suitable for nighttime operation
- Surface mounting. The integrated panel can be mounted separately in a 19'' rack or console
- Designed to meet EN 54 and SOLAS requirements, MED ("wheel-mark") and CPD certified
- Complies with environmental conditions of IEC-721-3-3 class 3k5
- Output to VDR and Modbus

## Applications/Description

The BS-200M is an integrated Fire Alarm Control Panel for small-to-medium-sized installations. The panel is specifically designed for use in maritime applications and meets the SOLAS requirements. The panel serves as a stand-alone panel. A maximum of 8 additional panels can be freely mixed and connected to the Fire Alarm Control Panel via the RS-485 Panel Bus, including Repeater Panels BS-211, Information Panels BV-210, Fire Brigade Panels BU-210 and Mimic Drivers BUR-200.

All alarm handling and system features can be configured, controlled and monitored from the panel.

The panel can accommodate up to a maximum of four detection loops. The loops support most of AutroSafe detectors, several types of *I/O devices* for monitored outputs, open collector outputs, galvanic isolated inputs and monitored inputs. It has a 5A power module for battery charging.

The panel is menu operated on a 8-line display, with 40 characters per line.

The Operator Panel (BS-210), which is an integrated part of the BS-200M panel, can also be mounted separately outside the cabinet.

## Indicators

- 8 x 40-character alphanumeric display
- Alarm, More Alarms, Pre-Alarm, Remote Call, Remote Call Response, Fault, Disabled Function, Supervisory Condition, Test Condition, System Fault, Power, Delayed Activation, Annunciator Fault, Remote Call Fault, Annunciator Disabled, Remote Call Disabled, Reduced Detection
- Internal buzzer



## Operator Controls

- More Events, Mute, Silence, Reset, Block, Activate Outputs
- Keypad with alphanumeric characters and navigational functions (Cancel/Back, Enter, directional keys (arrow up/down and left/right), Function and Select (MultiSelect) key
- Back-lit buttons and text
- Fireman's key

| Capacity, maximum number of: | |
|---|---|
| Detection loops per fire alarm control panel | 4 |
| Loop units per detection loop | 127 |
| Loop units per branch on a detection loop | 32 |
| Loop sounders per detection loop | 40 |
| Fire Brigade/Information/Repeater Panels and Mimic Drivers per fire alarm control panel | 8 |
| Serial ports | 1 |
| Ethernet | 1 |
| USB host ports | 2 |
| Languages supported | 15 |
| Relay outputs | 2 |
| Monitored outputs (24 V) | 2 |
| Non-monitored outputs (OC) | 2 |
| Inputs | 4 |

| Technical specifications | |
|---|---|
| Dimensions (mm) | 420 x 346 x 140 |
| Weight | 9 kg (excluding batteries) |
| Materials | Steel cabinet, ABS/PC moulded front |
| Mounting | Surface, flush or rack mounting |
| Protection class | IEC-529 / IP32 |
| Operating temperature | -15ºC to +70ºC |
| Storage temperature | -40ºC to +70ºC |
| Humidity non-condensing | Maximum 95% RH |
| Power supply | 115/230VAC<br>1,6/0,8A<br>Frequency: 50/60Hz |
| Current consumption | 250mA at 27VDC |
| Loops | 4 |
| Capacity – loop units | 127 per loop |
| Batteries | 2 x 12V = 24V (not included) |
| Communication | Built-in TCP/IP (Ethernet) for Modbus, Serial Port |

| Part number | Description |
|---|---|
| 116-71211548 | BS-200M Fire Alarm Panel, 110VAC / 230VAC |
| 116-71211549 | BS-200M Fire Alarm Panel, 230VAC with changeover relay |
| 116-71211550 | BS-200M Fire Alarm Panel, 110VAC with changeover relay |

## Factory set outputs:

(For functionality/configuration setup, see Installation Handbook)

- Relay no. 1: Activated at alarm / Off at Reset
- Relay no. 2: Activated at fault / Off at Reset
- Mon. output 1 and 2: Activated at alarm /
  2 min. delay / Off at Silence

## Additional outputs/inputs (no factory setting):

(For functionality/configuration setup, see Installation Handbook)

- Non-monitored outputs 1 and 2
- Monitored inputs 1 and 2
- Non-monitored inputs 1 and 2