

Fire Alarm Control Panel - BS-200

Autroprime Interactive Fire Detection System
Product datasheet

Features

- SelfVerify function for automatic testing of detectors
- Automatic setup
- Automatic addressing of detectors
- Two loops
- USB for data transfer to/from memory stick
- User-friendly display and operator controls
- Backlit operating buttons. Text display suitable for night-time operation
- Surface mounting
- Designed to meet EN 54 requirements and conforms to CE standards
- Complies with environmental conditions of IEC-721-3-3 class 3k5

Application/Description

The BS-200 is an integrated fire alarm control panel for small to medium sized installations. 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 two detection loops. The loops support most of AutoSafe 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, and a built-in emergency battery.

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-200 panel, can also be mounted separately outside the cabinet.

Capacity	
Maximum number of:	
Detection loops per fire alarm control panel	2
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



Indicators

- 8x40 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
- Internal buzzer

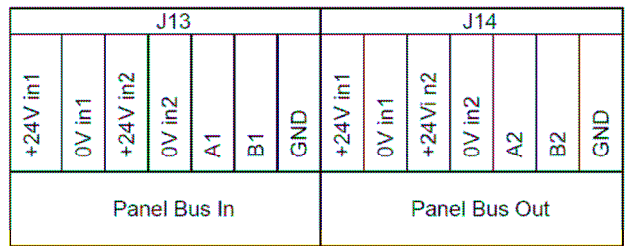
Operator Controls

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

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 / IP30
Operating temperature	-15°C to + 55°C
Storage temperature	- 40°C to + 70°C
Humidity	0 to 05% non-condensing
Power supply	115/230VAC 3,2A/ 1,6 A + 10% / -15% Frequency: 50/60Hz
Current consumption	200mA at 27VDC
Loops	2
Capacity- loop units	127 per loop
Batteries	2 x 12V= 24V not included, maximum 12 Ah
Communication	Built-in TCP/IP (Ethernet) for Modbus, Serial port

Part number	Description
116-BS-200	Fire Alarm Control Panel

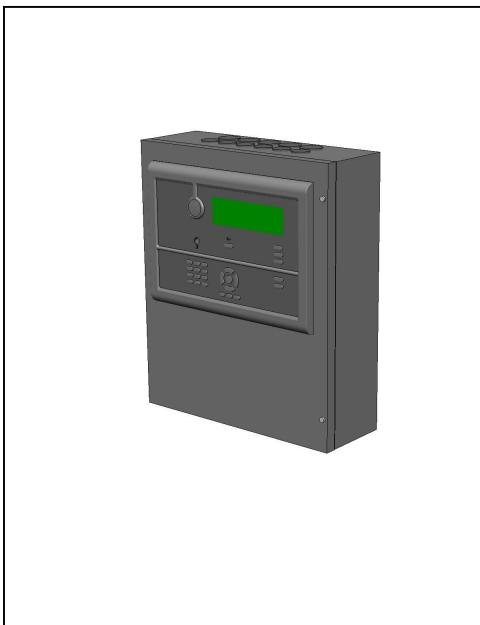
Panel Bus Connection (connector J13 and J14)



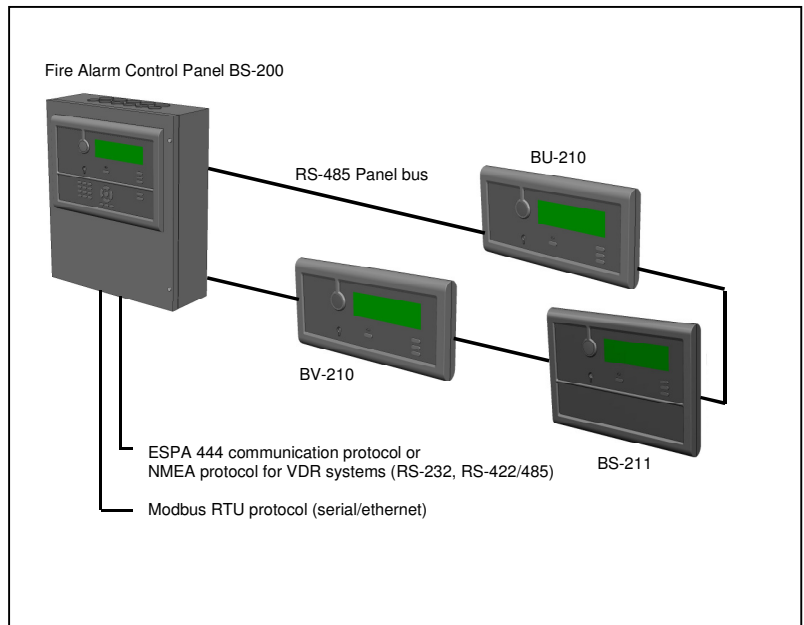
Addressing The Panel

The rotary switch on the rear side of the operator panel (on the left side of the connector J13 and J14) is used to address the panel. The address must be set to 0.

Stand-alone Panel



Panels interconnected on the RS-485 Panel Bus



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