

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 standard panel is prepared for two detection loops, but it can accommodate up to a maximum of four detection loops using the loop extension pack BSD-200A/PACK*. 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.

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

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



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

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, Reduced Detection
- 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, non-condensing	Maximum 95% RH
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)

J13							J14						
+24V in1	0V in1	+24V in2	0V in2	A1	B1	GND	+24V in1	0V in1	+24V in2	0V in2	A2	B2	GND
Panel Bus In							Panel Bus Out						

Stand-alone Panel



Panels interconnected on the RS-485 Panel Bus

