REPEATER PANEL BS-211

Autroprime Interactive Fire Detection System
Product Datasheet

Features

- 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

Repeater Panel BS-211 is identical (with the exception of an alphanumeric keypad) to the operator panel BS-210, which is an integrated part of the Fire Alarm Control Panel BS-200. All alarm handling and system features can be controlled and monitored from the panel. Configuration is not possible.

The panel is intended for the following purposes:
- Read information on events
- Accept events
- Read events in the log

The panel is menu operated on a 8-line display, with 40 characters per line.
The BS-211 panel communicates with the Fire Alarm Control Panel BS-200, information Panels BV-210, other Repeater Panels BS-211, Fire Brigade Panels BU-210 and Mimic Drivers BUR-200 on an RS-485 panel bus.

Indicators

- 8 x 40 character alphanumeric display
- Alarm, More alarms, Pre-alarm, Remote call, Remote condition, Test condition, System fault, Power, Delayed activation, 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
- Back-lit buttons and text
- Fireman's key

Capacity

- A maximum of 8 additional panels can be freely mixed and connected to the Fire Alarm 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

Panel Bus Connection (connector J13 and J14)

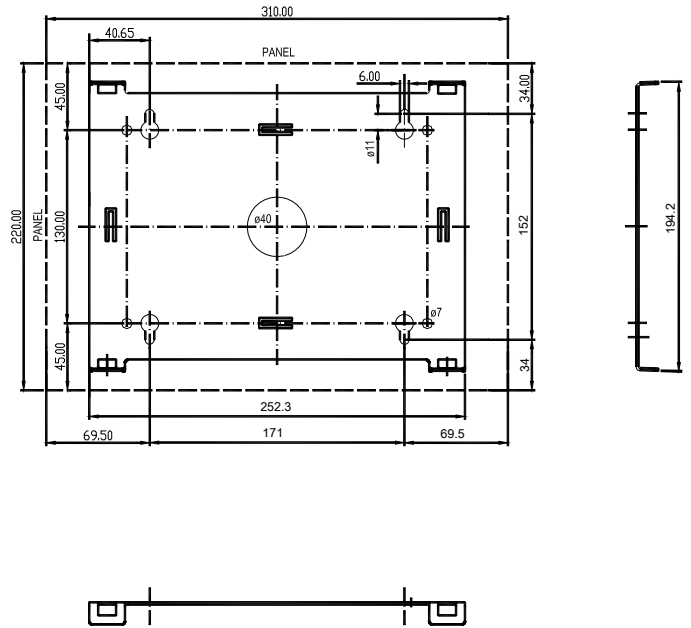| J14							J13						
+24V in1	0V in1	+24V in2	0V in2	A1	B1	GND	+24V in1	0V in1	+24V in2	0V in2	A2	B2	GND
Panel Bus In							Panel Bus Out						

Addressing the panel

The rotary switch on the rear side of the panel (on the left side of the connector J13 and J14) is used to address the panel (1-9).

CE

Technical specifications	
Dimensions (mm)	310 x 220 x 45
Weight	1,0 kg
Materials	ABS/PC moulded front
Mounting	Surface or rack mounting
Protection class	IEC 529 / IP32
Operating temperature	- 15 °C to + 70 °C
Humidity non-condensing	Maximum 95 % RH
Storage temperature	- 40 °C to + 70 °C
Current consumption	20mA at 27VDC, 300mA at lamp test (start-up)
Power supply	18-30 VDC
Communication	RS-485 panel bus (redundant power bus)

Part number	Description
116-BS-211	Repeater Panel
116-UD-731	Wall mount bracket

Hole dimensions on mounting bracket

Panels interconnected on the RS-485 panel Bus

Fire Alarm Control Panel BS-200

BU-210

RS-485 Panel bus

BV-210

BS-211

ESPA 444 communication protocol or
NMEA protocol for VDR systems (RS-232, RS-422/485)

Modbus RTU protocol (serial/ethernet)