REPEATER PANEL BU-BV-420

AutroSafe Interactive Fire Detection System, Release 4
Product Datasheet

Features

- User-friendly display and operator controls
- Scroll function for more alarms
- Backlit operational buttons. Text display suitable for full darkness operation
- Possible to change to different event windows
- Surface or flush mounting
- Rack mounting in standard 19'' cabinets and flush mounting in consoles
- Conforms to CE standards
- Designed to meet IEC 61508 SIL2 requirements, CEN, EN 54-2, EN 54-4 and EN 54-13 regulations, FM regulations (Factory Mutual) and the maritime SOLAS requirements (Safety Of Life At Sea)

Description/Application

The Repeater Panel BU-BV-420 serves as both a Fire Brigade Panel and an Information Panel.

Settings on a dipswitch determine the type of panel (see dipswitch settings). The panels communicate with other system units on the Ethernet-based local area network, AutroNet.
The panel has an 16 x 40-character alphanumeric display.

Fire Brigade Panel

This panel displays alarms and allows you to operate alarms and receive additional information related to the relevant operation zone. To operate alarms, a fireman's key must be used (access level 2).

The panel is used to silence sounders and to reset alarms within a defined operation zone.

The panel provides the following buttons:
- More Events button
- Mute Panel button
- Silence Alarms button
- Reset System button

The panels provides the following indicators:
- Fire, More Events, Fire Brig. Signalled, Fault, Function Disabled, Testing, System Fault, Power
- Internal buzzer

Information Panel

The Information Panel serves as an indication device only. It provides information related to the defined operation zone(s).

The panel offers the following buttons:

- More Events button for scrolling through several alarms within the same event window
- Next Window button for stepping to a new event window, for example from Fire to Fault Warning window.
- Lamp Test button for activating all indicators to be lit for 5 seconds

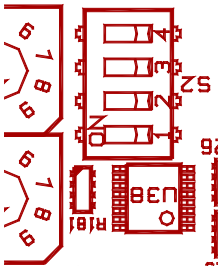The panels provides the following indicators:
- Fire / Alarm, Function Disabled, Function Delayed, Testing, Power
- Internal buzzer

Technical specifications

Technical specifications	
Dimensions (mm)	350 x 195 x 84
Cut Out Dimensions	320 x 170 x 30 mm
Weight	2,3 kg
Materials	Steel cabinet, ABS/PC moulded front
Mounting	Surface or flush mounting
Protection class	IEC-529 / IP32
Operating Temperature	-25ºC to +70ºC
Storage Temperature	-40ºC to +70ºC
Humidity non-condensing	Maximum 95% RH
Current Consumption	156mA/22,2V DC (idle) Max. 220mA/27,2V (lamp test)
Communication	AutroNet (Ethernet-based local area network)
Ethernet cable	CAT 5 or better. Shielded cable required in maritime installations. Max. 100m between Ethernet nodes

Product Name	Description
BU-BV-420	Repeater Panel

Dipswitch settings

The settings on the dipswitch S2 determine the type of panel.

Fire Brigade Panel
S2-1 ON
S2-2 ON
S2-3 OFF
S2-4 OFF

Information Panel
S2-1 ON
S2-2 OFF
S2-3 ON
S2-4 OFF

Dimensions (mm)