OPERATOR PANEL BS-430

AutroSafe Interactive Fire Detection System, Release 4
Product Datasheet

Features

- SelfVerify function for automatic testing of detectors
- Automatic addressing of detectors
- User-friendly display and operator controls
- Backlit operational buttons. Text display suitable for full darkness operation
- Surface mounting on wall or flush mounting in wall
- 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

BS-430 serves as an operating panel for one or several defined *operation* zones.

All alarm handling and system features can be controlled and monitored from the panel. A restricted scope of operation may be configured.

The panel communicates with controllers and the entire system via the Ethernet-based local area network; AutroNet.

The panel is menu operated on a 16-line display, with 40 characters per line.

Indicators

- 16 x 40-character alphanumeric display
- Fire, More Events, Fire Brig. Signalled, Fault, Function Disabled, Testing, System Fault, Power, Function Delayed, Alarms Fault, Fire Brig. Fault, Alarms Disabled, Fire Brig. Disabled, Detector Inhibit, Extinguishing Activated, Extinguishing Isolated, Local Mode, Dual Safety Stdby, MultiS SmokeDis
- Internal buzzer

Operator Controls

- More Events, Mute Panel, Silence Alarms, Reset System, Menu, Close Window
- Keyboard with alphanumeric characters and scroll function
- Separate buttons for menu operation (manoeuvre buttons)
- Backlit buttons and text

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Technical specifications

Technical specifications	
Dimensions (mm)	350x350x84
Cut-Out Dimensions (mm)	320x290x84
Weight	3,4 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
Power supply	Nom. 27,2V DC (18-32V DC)
Current Consumption	175mA/27,2V DC (idle) Max. 340mA/27,2V DC (lamp test)
Communication	AutroNet (Ethernet-based local area network)
Communication Ports	• 2 Ethernet ports • 2 USB host ports (max. 100mA) • 1 serial port for the std. detection loop communication protocol • 1 RS-232, RS-422 or RS-485 serial port for communication with third party equipment (AutroCom /ESPA4.4.4/MODBUS/VDR) • 1 AutroFieldBus (AFB) interface • 1 RS-485 serial port for communication with the front panel • FailSafe relay output
Ethernet Cable	CAT 5 or better. Shielded cable required in maritime installations. Max. 100m between Ethernet nodes

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Dimensions (mm)