Technical Specifications: BS-60

Mechanical data:

Dimensions: Weight:	H=310 mm, W=446 mm, D=141 mm (mounted in cabinet UEA-22/1) 11,8 kg	
Material:	Steel cabinet with "Lexan" front door. Colour: Grey, Ral 9002	
Protection:	IP 43	

CE

Electrical data: 230 V AC +10/-15 %. Frequency: 44 - 440 Hz. Power supply: Batteries: $2 \times 12 V = 24 V$, 12 Ah (Not included) Current consumption: Normal condition: From 65 to 130 mA at 24 V DC depending on detector load (max. 99 pcs.). Alarm condition: Max. 3 A. (BS-60 with 99 detectors and no outputs connected: 500 mA.) * Detector loop: 14 V DC +/- 0,2 V. Inputs: General alarm (ext. control of sounders), not galvanically isolated. Sounders (AK): 4 circuits, max. load 0,63 A at 24 V DC each circuit. Outputs: * Remote alarm signal (BMA): max. load 1 A / 24 V DC, (pot. free relay contact). Remote fault signal (BMF): max. load 100 mA at 24 V DC. (NPN transistor with open collector.) * Control output 1: 24 V DC, max. load 0,9 A. * Control output 2: max. load 1 A at 24 V DC (pot. free relay cont.). * Voltage output: 24 V DC, max. load 1 A. Zone control outputs: 16 pcs. (zones), each max. load 100 mA (NPN- transistor with open collector.). * Data output: Current loop, 20 mA galvanically isolated. Special power output (SSK) for BK-50: max. load 0,1 A at 24 V DC. Recommended cables:

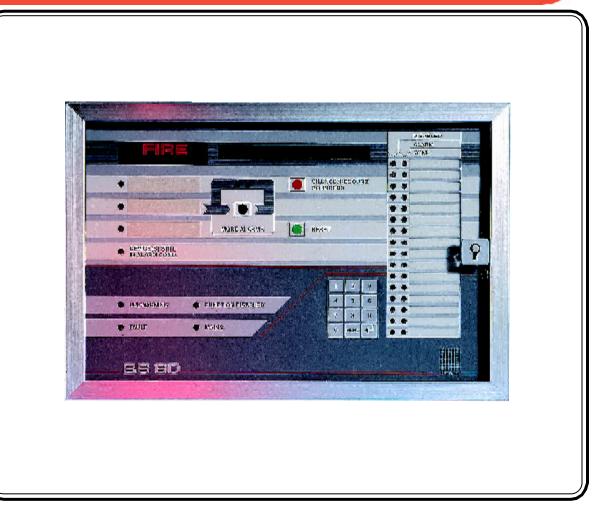
Connection of:	Open installat Core (mm ²)	Max. cable length (m)		Concealed inst Core (mm ²)	t allation Marin Max. cable length (m)	e installation Core (mm ²)	Max. cable length (m)
Mains 230 V AC	2 x 1,5	-		1,5	-	2 x 1,5	-
Alarm Sounders	2 x 1,5	-		1,5	-	2 x 1,5	-
Detector loop *)	2 x 1 2 x 1,5 2 x 2,5	680 1250 2150		2 x 0,75	650	2 x 0,5	430
Intercon- nection cable	1,5 Multicore	-		1,5 Multicore	-	Multicore	-
Data comm.	0,5**) (Current loop)	220mA RS232 1000m 10m		4 wires + screen. Earthed in both ends. Max. cable resistance 340Ω Max. cable capasitance $220nF/1200baud$.			
loop *) Intercon- nection cable Data comm.	2 x 1,5 2 x 2,5 1,5 Multicore 0,5**)	1250 2150 - 220mA RS232		1,5 Multicore 4 wires + screen. Max. cable capa	- Earthed in both e sitance 220nF/12	Multicore nds. Max. cable re 200baud.	-

*)= Assuming max. total loop resistance, 30 Ohms. **)= Data communication cable only. NB! The requirements of national Standards, local authorities and classification societies must be considered

Autronica Fire and Security AS

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Fire Alarm Control Panel



Applications

Fire alarm control panel type BS-60 is an analogue addressable panel intended for smaller and medium size installations. Up to 99 analogue addressable fire detectors and/or manual callpoints can be connected. Each detector device is monitored by the panel.

Features

- The 99 fire detectors may be grouped in up to 16 fire zones.
- The panel contains a 2x40 character text display which indicates the location of the detector(s) in alarm or fault condition.
- All detectors are continually monitored.
- By operating the control panel, a single detector, or a group of detectors (zone) can be isolated temporarily while necessary maintenance work is carried out. The remaining detectors are still active.
- A single detector, or a group of detectors (zone) can be isolated or restored locally using a fire zone operating unit type BK-50. When a fire zone is isolated, manual callpoints are still active.

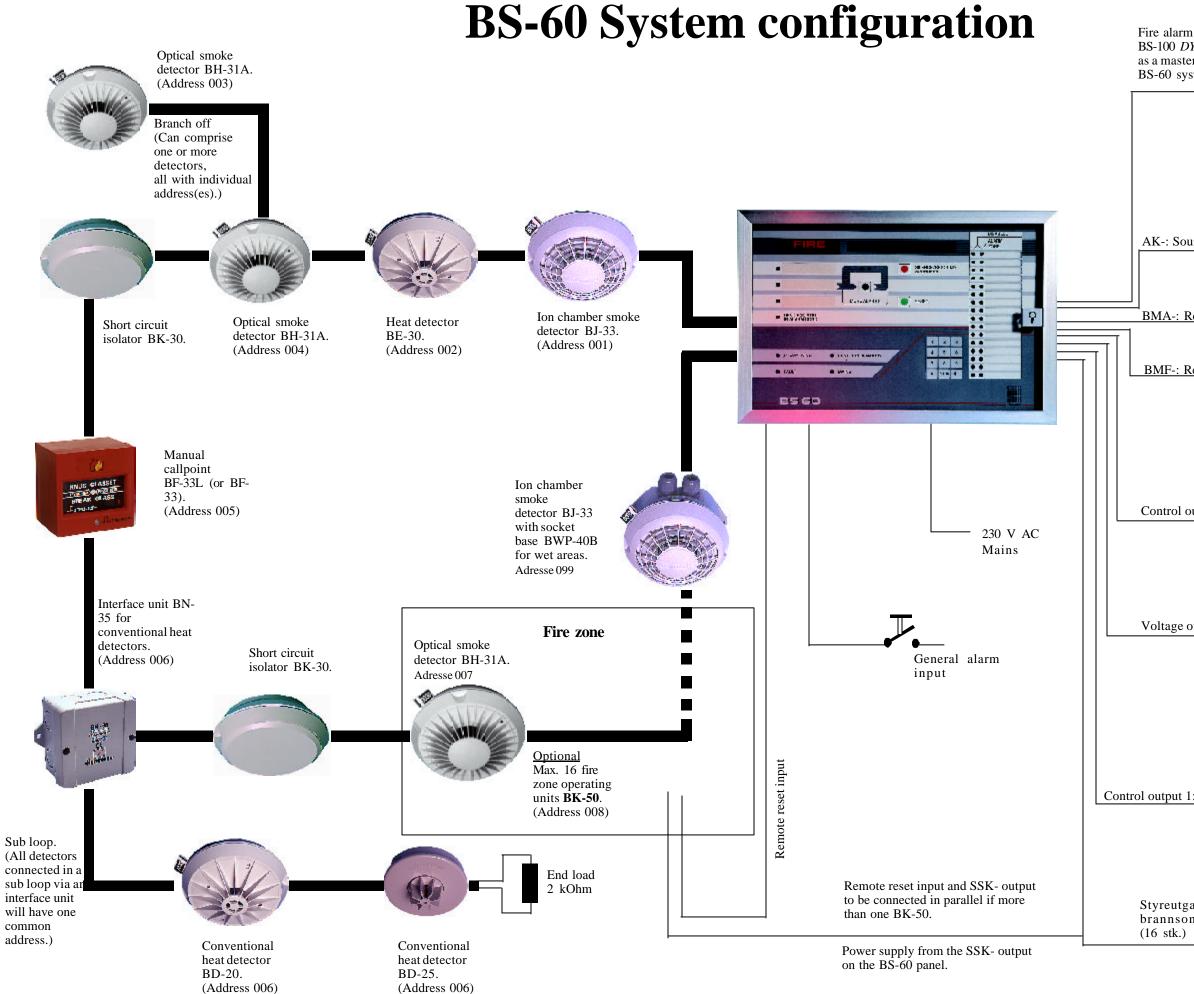
BS-60

- * Isolated detectors will be restored automatically after a preset time.
- The control panel provides essential control outputs.
- "Pre-warning" highlights the need to change a detector contaminated by dust.
- * Designed for built-in stand-by accumulators (24 V 12 Ah).
- BS-60 meets BS5839 pts 1 & 4
- The BS-60 control panel can be connected as a slave unit to BS-100 DYFI which will provide BS-60 with all the benefits of the DYFI (DYnamic FIlter) process.



000925

P-BS60/HE-Rev.D,



Fire alarm control panel BS-100 DYFI. Can operate as a master unit having the BS-60 system



AK-: Sounders (4 circuits)



Alarm sounder(s)

BMA-: Remote alarm signal

BMF-: Remote fault signal



Control output 2:



Ventilation interlocking

Voltage output:

24 V DC / 1 A (monitored)



Automatic door release

Styreutganger for brannsoner



Soneindikeringspanel.