

# Display Panels

# 4

LSN Display Panels

112

# BAT 100 LSN Display Panel



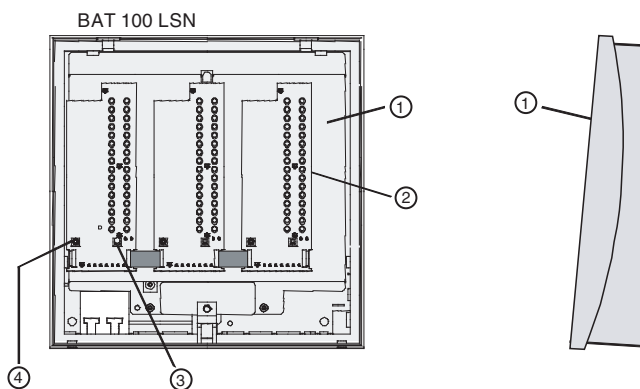
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### Features

- ▶ Upgradeable with up to three ATG 100 LSN kits
- ▶ 32, 64 or 96 red or yellow display LEDs
- ▶ Monitored data communication control panel - display panel
- ▶ Maintenance of function on the LSN loop via two integrated isolators in the event of wire interruptions or short-circuits

The BAT 100 LSN display panel is a universally usable remote parallel display with up to 96 LEDs (e.g. for a maximum of 96 detector zones).

### System Overview



Item	Description
	BAT 100 LSN, display without hood
1	Lower part of housing
2	ATG with 32 LEDs
3	Keys for "LED test" or "buzzer off"
4	Tamper contact

### Functions

The BAT 100 LSN display panel handles the display of faults and/or alarms for detectors or detector zones.

Up to three ATG 100 LSN kits can be installed in the BAT 100 LSN housing. An ATG 100 LSN includes 32 red LEDs for alarm indications or 32 yellow LEDs for fault indications. Mixed equipment (red and yellow LEDs) of the display panel with different ATG 100 LSNs is possible. LED displays can be labeled using a printer.

The panel has a buzzer and a reset button for the buzzer. If there is no alarm, the reset button for the LED test can be used.

The ATG 100 LSN kits have integrated isolators for maintaining the function of the elements on the LSN loop in the event of wire interruptions or short-circuits.

### Certifications and Approvals

ATG 100 LSN and ATB 100 LSN complied

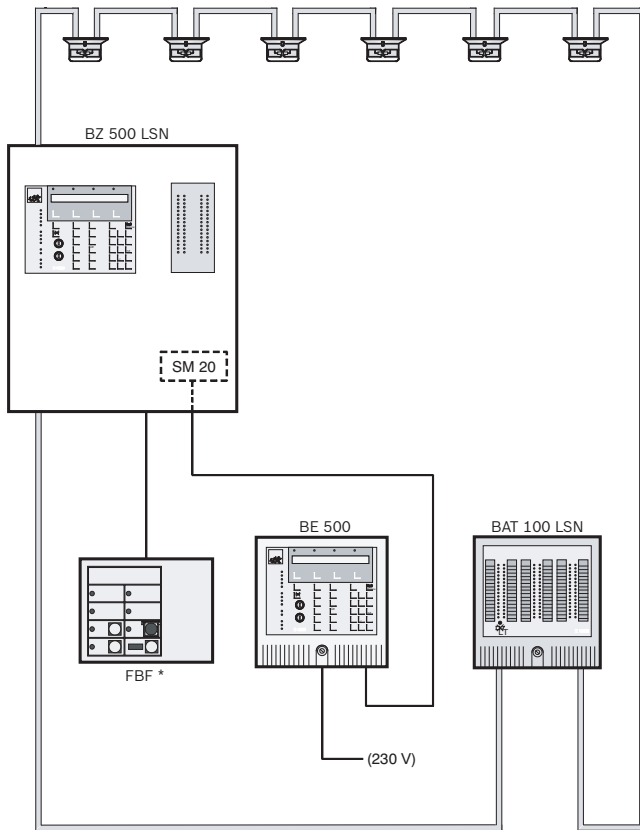
- EN54-17:2005
- EN54-18:2005

Region	Certification	
Europe	CE	BAT 100 LSN
		BS ATE / ATG / ATB 100 LSN
	CPD	0786-CPD-20596 ATG100_ATB 100
Germany	VdS	G 298030 BAT 100 LSN
		G 297040 ATG 100
Hungary	TMT	TMT-89/12/2004.pdf BAT 100
Russia	GOST	POCC DE.C313B06298

### Installation/Configuration Notes

- BAT 100 LSN Display Panels can be incorporated at any point on LSN loops or LSN stubs.
- If a BAT 100 LSN is installed in addition to a BE 500 Remote Operating Panel, the BAT 100 LSN should be positioned directly adjacent to the BE 500.

**Planning example**



\* Fire department control panel (in Germany only)

**Environmental conditions**

Permissible operating temperature	-5 °C to +50 °C
Permissible storage temperature	-20 °C to +60 °C

**Special features**

LED flash frequency	0.8 Hz
LED colors	Red, yellow

**Ordering Information**

<b>BAT 100 LSN Display Panel</b> Kit for display panel with 32 red LEDs	<b>BAT 100</b>
<b>Accessories</b>	
<b>ATG 100 LSN red LED Kit, Red</b> Kit for display panel with 32 red LEDs	<b>ATG 100 LSN red</b>
<b>ATG 100 LSN ye LED Kit, Yellow</b> Kit for display panel with 32 yellow LEDs	<b>ATG 100 LSN ye</b>
<b>ATG100-16red-16ye LED Kit, Red/Yellow</b> Kit for display panel with 16 red and 16 yellow LEDs	<b>ATG100-16red-16ye</b>
<b>Labeling Strips</b> PU = 10 units	<b>BAT100-LABELS</b>
<b>ATB 100 LSN for Incorporation into Location Map Panels</b>	<b>ATB 100 LSN</b>

**Parts Included**

Qty.	Component
1	BAT 100 LSN display panel

**Technical Specifications**

**Electrics**

**ATG 100 LSN module**

Operating voltage	
• LSN part	+12 VDC to +30 V DC
• Other functions	+8 V DC to +30 V DC
Current consumption of LSN part	3 mA
Power intake of other functions	All 32 LEDs on: max. 160 mA All 32 LEDs off: max. 6 mA

**Mechanics**

**BAT 100 LSN housing**

Dimensions (H x W x D)	270 x 270 x 75 mm
Material	Plastic, ABS Terluran
Color	Light gray, RAL 9002
Weight	Approx. 1 kg