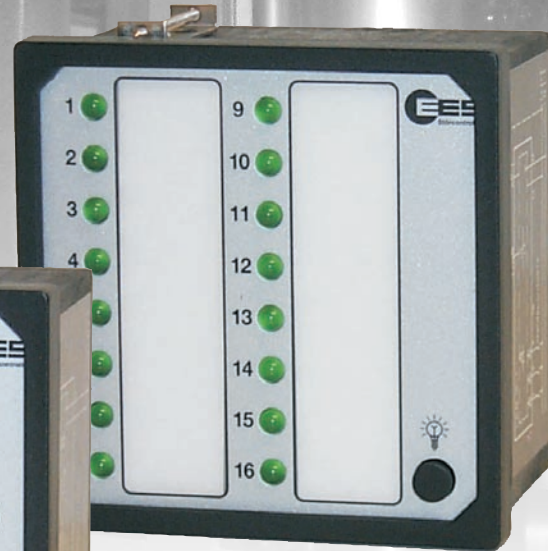EES ... the solution

LAB 16-1

LAB 08-1

LED-indication module

LAB 08-1 –   8 indications
LAB 16-1 – 16 indications

- Compact module in a 96 x 96 mm housing for panel mounting
- 8 or 16 channels with exchangeable LED's
- LED colour green, mixed colours on request
- Integrated lamp test push button
- Optional: two-wire interface
- Front panel marking: transparent window for slide-in labels
- Low built-in depth
- Alarm voltage 24 V AC/DC or 230 V AC

Technical description

The indicators **LAB 08-1** and **LAB 16-1** are compact modules for panel mounting, with 8 or 16 channels and with integrated lamp test push button. It is designed for connection of an additional external test button. By operating the lamp-test button
all LED's are powered by supply voltage. LED's are in green colour, mounted on plug base, they are interchangeable and different LED colours can be installed after removing the front panel. Other colours are available in a set of 10 LED's per colour. Always use "high efficiency "LED types!
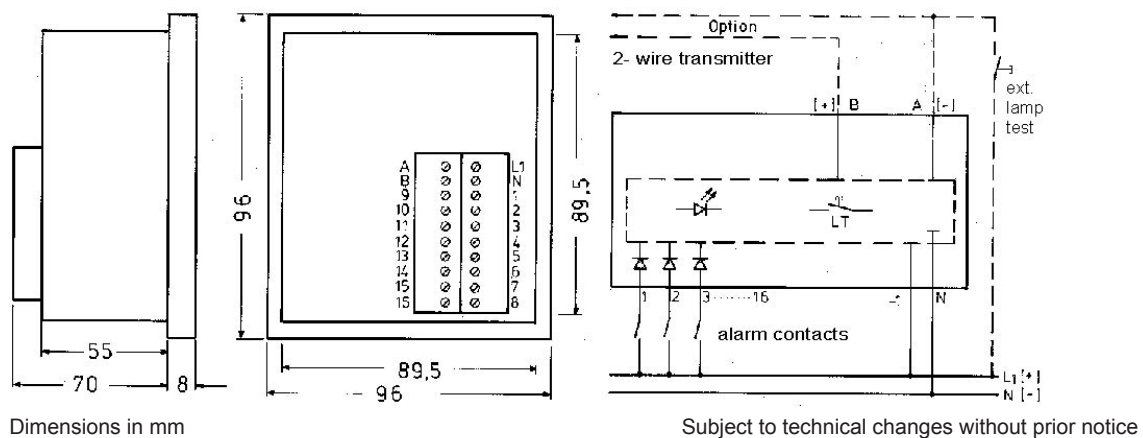**Attention:** Disconnect supply voltage!

The LED indications on the front panel can be marked by labels which can be inserted into the transparent front window. For easy marking we offer either a form **BSV 1** (10 sets) or a disc **BSV-soft**. For increase of protection a clear window door KST 1 or a protection cover KSH 1 is available for the front plate.

The indicator can be equiped with a **serial interface** for linking to the transmitting module of our two-wire telecontrol system ZS 8 using all kind of wires for transmission over a distance up to 15 km. With this type of equipment alarm input terminals are not required. Two-wire connection is made via the terminals of the external lamp test button, which is not needed any more.

Type	LAB 08-1/24 LAB 16-1/24	LAB 08-1/230 LAB 16-1/230
supply voltage	24 V AC/DC ± 20%	230 V AC +10/-15%
power consumption	max. 2 W	max. 8 W
alarm voltage	24 V AC/DC ± 20%	230 V AC +10/-15%
max. input current	approx. 5 mA	approx. 2 mA
ambient temperature	-20°C...+60°C without condensation	-20°C ...+50°C without condensation
storage temperature	-20°C...+70°C without condensation	
humidity	max. 75 % (Group F DIN 40040)	
duty cycle	100 %	
increase protection front side	IP 40; IP 50 with window door; IP 65 with protection cover	
increase protection rear side	IP 20	
terminals	nominal cross section 1,5 mm^2	
weight	0,5 kg	

Optional accessories:

- **LAB 16-1S/24**   with serial control
- **LAB 16-1S/230**   with serial control
- **BSV 1**   labelling pattern (10 in a pack)
- **BSV-Soft**   a disk with labelling pattern for WIN WORD Version 6.0
- **KSH1**   protection cover
- **KST1**   window door

Dimensions in mm

Subject to technical changes without prior notice

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