



**LAB 08-1M**

**LAB 16-1M**

## LED-indication module with collective report

**LAB 08-1M** – 8 indications

**LAB 16-1M** – 16 indications

- Compact module in a 96 x 96 mm housing for panel mounting
- 8 or 16 channels with exchangeable LED's
- Alarm voltage 24 V AC/DC or 230 V AC
- Open-circuit working (NO) of signal inputs; Closed working (NC) optional
- LED colour red, mixed colours on request
- Integrated lamp test push button
- Front panel marking: transparent window for slide-in labels
- Low built-in depth

# LED-indication module

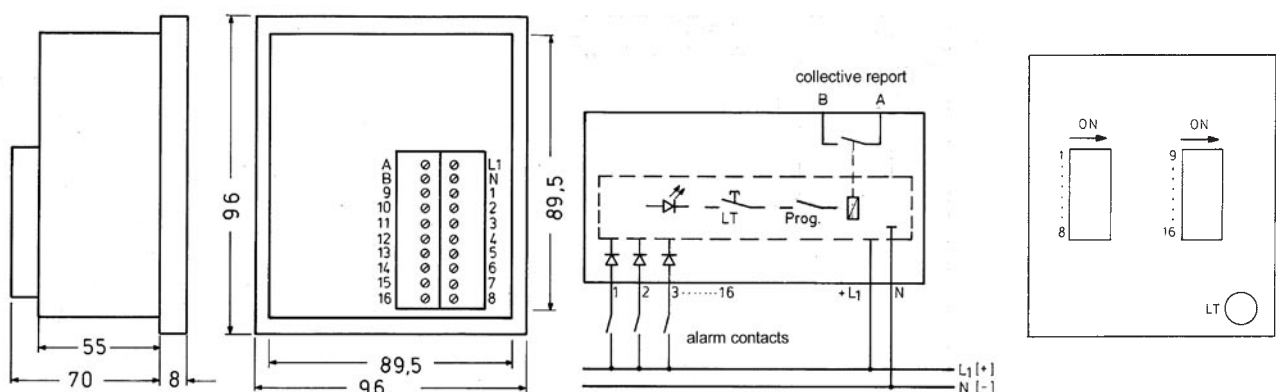
## Technical description

The indicators **LAB 08-1M** and **LAB 16-1M** are compact modules for panel mounting with 8 or 16 channels and with integrated lamp test push button. Each discrete alarm can be selected by programming jumpers to switch on collective report. In standard the collective report is a NO contact and can be changed in our workshop into NC contact, if required. An inverting function is also available. The indication module is also in NC implementation (LAB...MR...) available. If the collective report contact is wired as NC, then not used inputs have to be connected on L1 or +.

LED's are in red 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.

Type	LAB 08-1M/24 LAB 16-1M/24 LAB 08-1MR/24 LAB 16-1MR/24	LAB 08-1M/230 LAB 16-1M/230 LAB 08-1MR/230 LAB 16-1MR/230
supply voltage	24 V AC/DC $\pm$ 20%	230 V AC +10/-15%
power consumption	max. 2 W	max. 8 W
alarm voltage	24 V AC/DC $\pm$ 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 42 with window door; IP 65 with protection cover	
increase protection rear side	IP 20	
terminals	nominal cross section 1,5 mm <sup>2</sup>	
weight	0,5 kg	



Dimensions in mm

Subject to technical changes without prior notice



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