



Examples of warning indication display in black; any specific text or graphic can be achieved by silk screen printing or foil

### Warning Indication Display with super bright LEDs

Profile housing made of alloy with an anti-reflex front plate and two end caps. The transparent tinted front plate is silk screen imprinted on its back with the specific text. The illumination area is homogenous due to usage of a light stray body, activated by superbright LED-strips with constant current drivers. The indication display does not need any maintenance.

Via a first selector switch the indication unit can be set to either constant or flashing lightning. An integrated buzzer (~70dB) can be activated by a second selector switch. Optional, an intermitting relay-contact output (max. 1A/24Vdc) is available to drive an external sounder (24Vdc).

Options: (a) protection roof, made of stainless steel; (b) pre-mounting socket, made of stainless steel; (c) weather protection housing, made of transparent acrylic.

### Technical data:

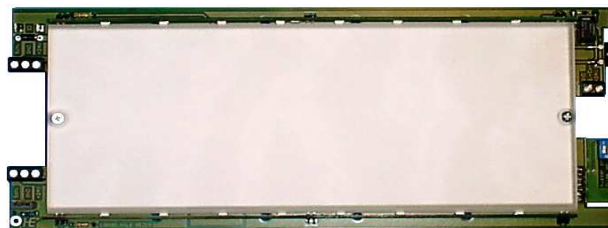
### LWA-90-I

colour of housing:	black or white
colour of illumination:	red, yellow, green, blue
dimensions (W x H x D) :	300 x 120 x 35 mm
illuminated area (W x H) :	240 x 90 mm
supply voltage:	21 - 29 Vdc
supply current @24Vdc constant :	75 mA (red,yellow); 126 mA (green,blue)
supply current average @24Vdc flashing :	55 mA (red,yellow); 75 mA (green,blue)
supply current for buzzer	+10mA
supply current for optional relay	+10mA
self-resetting fuse:	polyswitch
protection class:	IP 50; dust proof; option: sealing profiles IP54 (splash proof) option: transparent weather protection housing IP65
temperature range:	-40° ... +85°C

### Mounting:

solder pins parallel to +24V / GND for end-of-line resistor; ext. decoupling diode is not necessary

connector terminals, doubled for coming and going cables



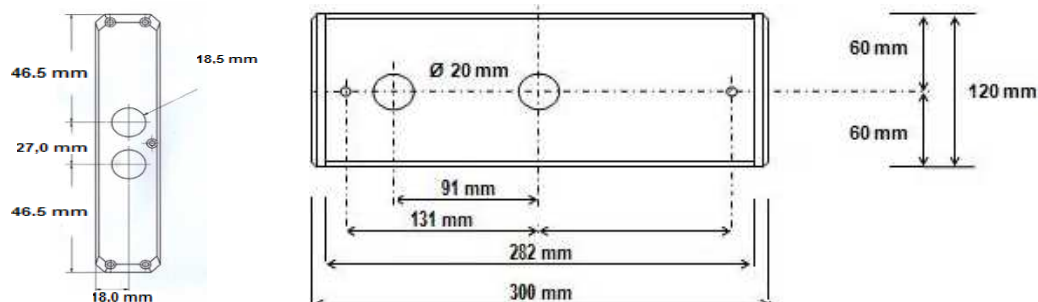
buzzer

(optional) output 24Vdc for external sounder

DIP-switch 1: constant / flashing

DIP-switch 2: buzzer ON / OFF

Profile housing with two end caps ABS: left 2 holes  $\varnothing$  18.5 mm with lock plugs, right without holes



- The profile housing is fixed by 2 screws to the wall or to the mounting socket (M5x10). The cable entry can be done through the hole from behind or through one of the end caps.
- The pcb is inserted in the 3rd slot from the bottom, the terminals are on the left hand side (see picture).
- Supply cable cores (+/-24Vdc) and shieldind wire are connected to the screw terminals.
- Set the DIP-switches on the right hand side. Factory setting is: "flashing" and "buzzer OFF"
- Slide the front plate without the protective folio into the top slot of the housing.

**(Attention: When using the sealing profiles slide the front plate with its rounded edges forwards carefully into the top slot of the housing, to avoid damaging the sealing profiles; ensure that the text is readable. For side cable entry PG11 cable glands are supplied to be used).**

- End caps are plugged on the profile and secured with the screws at each end.
- Cleaning is done with a damp cloth only. Avoid any aggressive or abrasive cleaners.