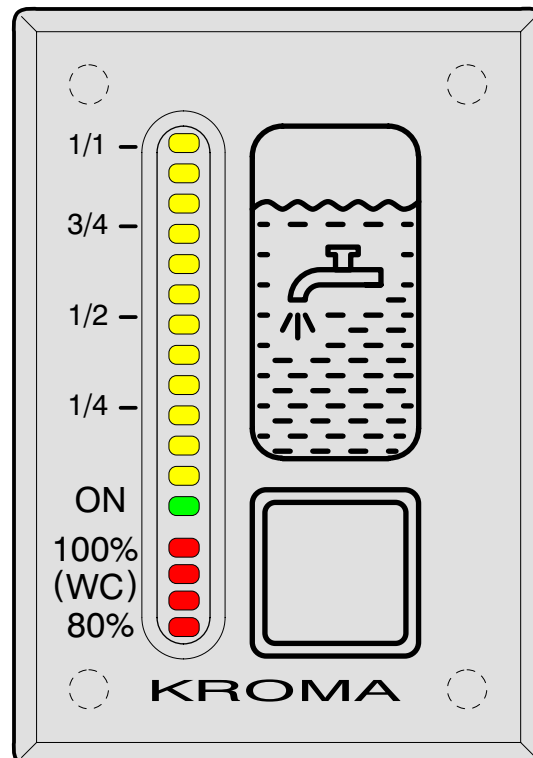


Level Indicator

for fresh water and sewage



BAZ 14

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BAZ 14 Level Indicator

for fresh water indication and sewage limit signalling

Description

KROMA BAZ 14 level indicators serve to continuously display liquid levels of fresh water tanks by means of a resistor-type sensor (e. g. KROMA MWA) and to signal two level limits of sewage water tanks. Twelve yellow extra bright light-emitting diodes are arranged as a luminous band for fresh water indication and guarantee exact reading of the water level both in the dark and in sunshine. By shortly pressing the piezoelectric pushbutton, the level indicator is switched on and off. The instrument automatically switches off after an on-time which is variably programmable (0 to 16 minutes) by the manufacturer. On-time of the instrument is signalled by a green light-emitting diode, even if the fresh water tank is empty. For sewage tank limit signalling, two pairs of red extra bright light-emitting diodes are arranged below the green LED. They are controlled by two limit sensors of the sewage tank. Dependent on the BAZ 14 configuration, sewage limits are signalled either by actuation of the piezoelectric pushbutton or independently (please specify in your order).

In addition, models are available with the level indicator being arranged behind a hinged cover. On these models, the BAZ 14 will be actuated by an integral magnetic switch while opening the hinged cover.

A rugged stainless steel housing provides a proper seal to an exterior wall of a vehicle. The BAZ 14 is suited for both front and rear mounting. For the latter, screw bolts welded to the BAZ 14 ensure that screws are not visible from the front side. Stainless steel housing, encapsulated electronics as well as piezoelectric pushbutton or magnetic switch provide optimal protection against rough ambient conditions and vandalism.

The advanced BAZ 14 and the previous BAZ 4 are interchangeable without any problems.

Special Features

- Extended operating voltage range (16 to 32 V DC)
- Good visible, extra bright LED band with high accuracy of resolution (12 LEDs for fresh water)
- Programmable on-time for fresh water indication (0 to 960 seconds, standard 15 seconds*)
- Integral piezoelectric pushbutton with ON/OFF function or magnetic switch
- Stainless steel housing for rough ambient conditions, suited for both front and rear mounting
- Tested according to German railways' standard BN 411002/EN 50155 (approved for use on rail vehicles)

Technical Data

Operating voltage:	24V DC (16V to 32V)
Power consumption:	approx. 2VA
Static current:	< 0.1 mA (without sewage limit indication)
Input resistance:	2 kOhm to 10 kOhm (for fresh water MWA)
Operating current per sewage level indication:	12 mA
Degree of protection:	IP 65
Ambient temperature range:	-25°C to +70°C; (-50°C to +70°C*)
Storage temperature range:	-55°C to +70°C
Vibratory strength:	5.9 m/s ² (5 to 150 Hz)
Shock resistance:	50 m/s ²
Weight:	0.150 kg
Cutout:	38 ⁺³ x 72 ⁺³ mm
Mounting bores:	∅5.5 mm ; distance 50 ^{±0.3} x 80 ^{±0.3} mm

Information required with order

KROMA **BAZ 14** level indicator **BAZ 14 . 1 2 0**

Mounting: "1" = from front; "2" = from rear

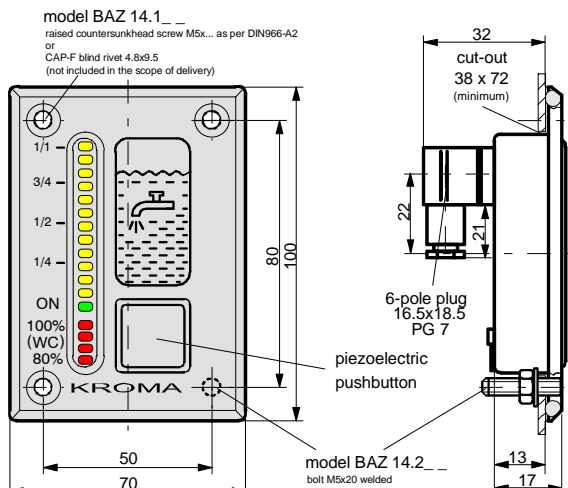
Operation: "0" = without switch; "1" = magnetic switch; "2" = piezoelect. pushb. (standard on-time 15 sec.*)

Front panel "0" = fresh water tank + (WC) sewage limit indication independent of piezoelect. pushb.;

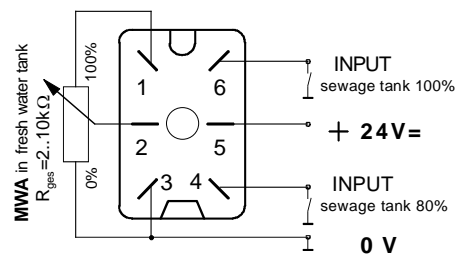
"1" = fresh water tank + (WC) sewage limit indication dependent on piezoelect. pushb.*);

* special design to be requested from KROMA

Outline Drawing



Terminal Assignment



Key to wire colours of furnished cable :

- | | |
|------------------------|-----------------------|
| 1 - YELLOW (MWA 100%) | 4 - GREY (input 80%) |
| 2 - BROWN (MWA slider) | 5 - WHITE +24V |
| 3 - GREEN 0V (MWA 0%) | 6 - PINK (input 100%) |

Subject to technical modifications.