

## ZETFON 300/310 DC

The ZÖLLNER ZETFON is a robust electrically operated whistle which is equally suitable for seagoing and inland vessels.

### Essentials

- » full compliance with the Colreg 1972
- » type approved by all wellknown international maritime authorities and classification societies
- » application:
  - » vessels of 20 m but less than 75 m in length
  - » land alarm, i.e. bunker stations, refineries, airports, powerplants, factories
- » system voltage: 24 V DC
- » entirely made of best non-corrosion, seawater-resistant materials (no plastic!)

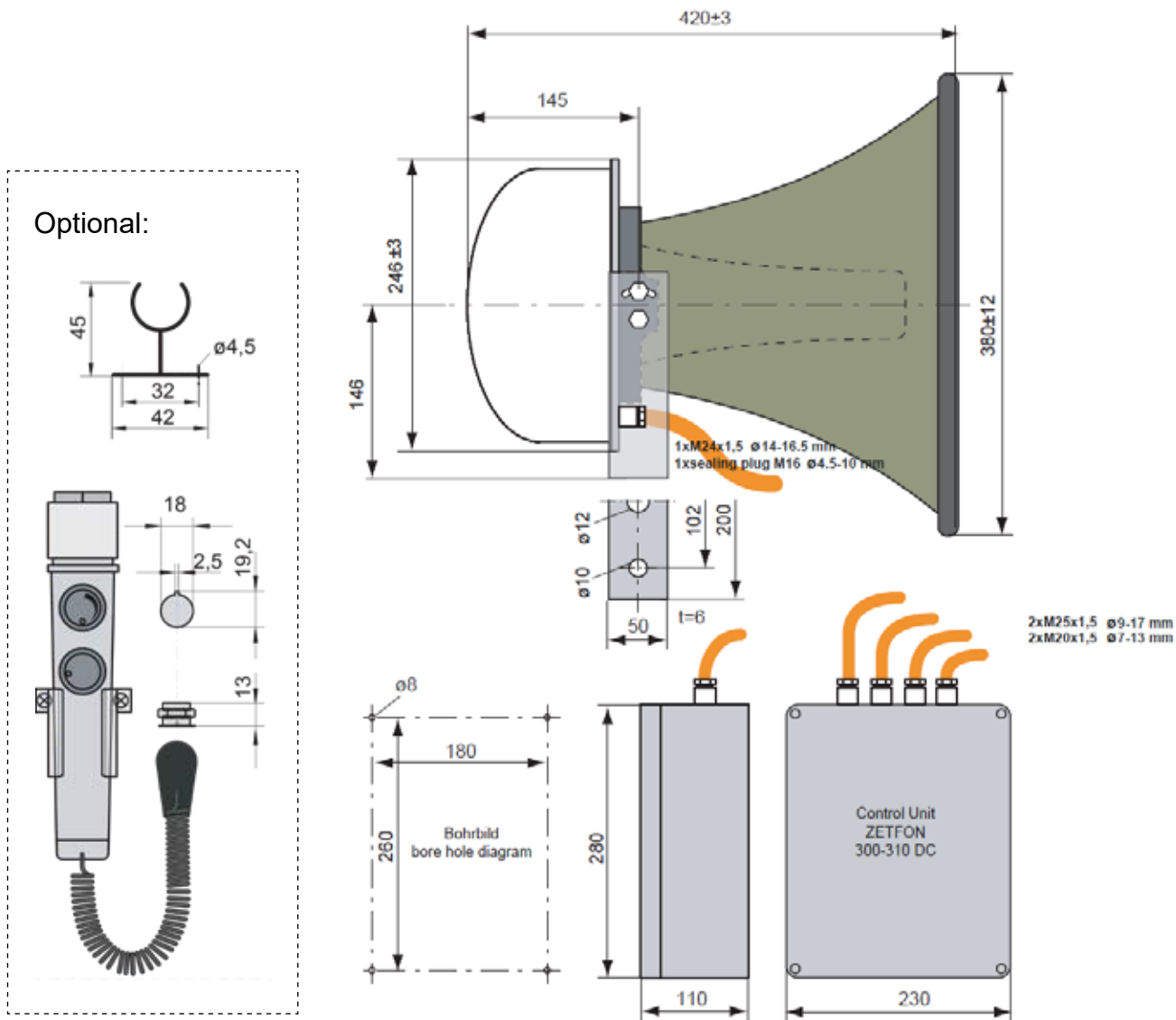
### Advantages

- » decades of experience
- » best material and workmanship - made in Germany
- » optional speaker function
- » optional body heating (50 W) for cold areas available
- » control and amplifier unit with protection against cross-connection for supply voltage
- » low power consumption of 170 W
- » easy installation
  - » only one 2-core cable required for standard unit
  - » low weight
- » easy exchange of all parts with onboard tools



### Sound Characteristics

- » broad frequency spectrum with many higher harmonics
- » signals with strong overtones for best penetration of background noise level - Even when a background noise covers the actual basic frequency, the residual tone forms a parent frequency in the human hearing. Two or three harmonics are sufficient for the hearing to perceive the basic frequency.
- » sound frequency of 310 Hz very advantageously ranks in the lower admissible range (250-700 Hz)
- » sound pressure level 131 dB in 1/3rd octave band level at 1 m distance



type	ship length [m]	voltage	cable gland [mm] max.	fundamental frequency	sound intensity in 1/3rd-octave band level at 1 m distance		max input when sounding [W]	body heating [W]	protection type	weight [kg]	type approval
					dB(A)	min. IMO [dB]					
300/ 310 DC	20-<75	24 V DC	Ø7-13 Ø9-16.5	310	131	130	170	50	IP 56	7+6,5	√