

# **ZETFON 300/310 DC**

The ZÖLLNER ZETFON 300/310 is a robust electrically operated whistle which is equally suitable for seagoing and inland vessels.

#### **Essential information:**

- » full compliance with the COLREGS 1972
- » type approved by all wellknown international authorities and classification societies
- » system voltage: 24 V DC
- » entirely made of best non-corrosion, seawater resistant materials

#### Application:

- » vessels of class III (20 m but less than 75 m in length)
- » land alarm, i.e. bunker stations, oil refineries, airports, power plants, factories

## Options:

- » speaker function
- » body heating (50 W) for cold areas

### **Advantages:**

- » maintenance free
- » decades of experience
- » best material and workmanship made in Germany
- » control and amplifier unit with protection against crossconnection for supply voltage
- » low power consumption of 170 W

## **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 admissable range (250-700 Hz)
- » sound pressure level 130 dB in 1/3rd octave band level at 1 m distance

### Easy Installation:

- » only one two-core cable required for standard unit
- » low weight
- » easy exchange of all parts with onboard tools

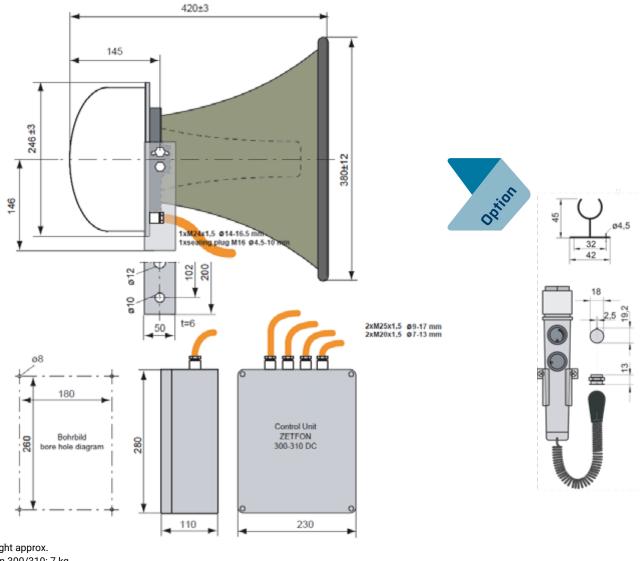




#### **Technical information**

# Positioning and installation

Positioning as high as practicable on the vessel to reduce interception of the emitted sound by obstructions and to avoid hearing damage risk to the personnel. The sound pressure level of a vessel's own signal at listening posts must not exceed 110 dB(A).



weight approx. Horn 300/310: 7 kg control and amplifier unit 300/310: 6.5 kg

TYPE	SHIP LENGTH	VOLTAGE	FUNDAMENTAL FREQUENCY	SOUND INTENSITY IN 1/3RD- OCT. BAND LEVEL AT 1 M (MIN. 130 DB ACC. TO IMO)	TYPE APPROVAL	MAX INPUT WHEN SOUNDING	BODY HEATING (OPTION)	PROTECTION TYPE
300/310 DC	20-<75 m	24 V DC	310 Hz	130 dB	<b>/</b>	170 W	50 W	IP 56