

dGH21/F dRGH21/F

Ex-Signalling Hooter

AC8431/1102

Modular concept with GRP housing for use in areas with explosive atmospheres in zone 1 and 2

- ▶ **ATEX II 2G Ex de IIC T5/T6**
- ▶ **Housing made of glass-fibre reinforced polyester (GRP)**
- ▶ **Volume: approx. 105 dB(A)**
- ▶ **Protection degree IP 66**
- ▶ **Protection class II (no equipotential bonding necessary)**
- ▶ **Version dRGH21/F with integrated telephone call relay**
- ▶ **Integrated terminal box realized in Ex protection mode increased safety**

Application

The Ex-Signalling hooter dGH21/F was developed for warning, calling and indicating purposes in areas with explosive atmospheres in group II and for rough ambient conditions.

Thanks to its compliance with the explosion protection class II 2G Ex de IIC T5/T6, this signalling device can be used without restriction in all areas with explosive atmospheres in zones 1 and 2. The signalling hooter produces a sound volume of approx. 105dB(A) at 1 meter distance.

The characteristic hooting sound can be clearly heard above any other higherfrequency sounds in the area.

The dRGH21/F comprises a telephone calling relay and reproduces the signals in the pulse rate of the overriding telephone call.

Design

The explosion protection is given through the flameproof chamber and the chamber "increased safety". The flameproof chamber contains the electromagnetic drive system and, for the dRGH21/F, an additional telephone calling relay. The signal membrane is mounted outside of the flameproof room beneath a closing cap with the appropriate sound control. The housing is made of GRP thus guaranteeing protection against corrosion.

Furthermore the construction is lightweight and highly robust. All DC versions are equipped with an electronic contact breaker which considerably increases service life compared with other commercially available devices.

Technical Datas

Housing:	GRP glass-fibre reinforced polyester	
Colour:	black	
Protection:	IP 66	
Safety class:	II (no equipotential bonding necessary)	
Cable gland:	1x M20 x 1.5 cable gland and 1 blind plug M20 x 1.5	
	dRGH21/F: 2 x M20 x 1.5 cable glands	
Connection terminals:	1.5 mm ² fine wire	2.5 mm ² single wire
Operating conditions:	indoors and outdoors	
Operating position:	any, preferably sound exit to the bottom	
Volume:	approx. 105 dB(A) at 1m distance	
Operating mode:	Continuous	
Temperature range:	Operation	-20°C to +70°C(T6) -20°C to +75°C(T5)
	Storage	-20°C to +80°C
Explosion Protection:	II 2G Ex de IIC T5/T6	
Weight:	approx. 5.5 kg	

