dGW21/F
dRGW21/F

EEx-Signalling bell

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

- **ATEX II 2 G EEx de IIC T6**
- **Housing made of glass-fibre reinforced polyester (GRP)**
- **Volume: approx. 105 dB(A)**
- **Protection: IP 66**
- **Safety class II (no equipotential bonding necessary)**
- **Version dRGW21/F with integrated telephone call relay**
- **Integrated terminal box realized in Ex protection mode increased safety**

Application

The signalling bell dGW21/F was designed to warn, call and signal in areas with explosive atmospheres in group II and rough ambient conditions.
The protection type II 2 G EEx de IIC T6 allows the signalling bell to be used without restriction in all ex-areas classified 1 and 2.
The signalling bell produces a sound volume of approx. 105dB(A) at 1 meter distance.
The emphasis of the ringing lies at approx. 1000 Hz, as a result of which the signal stands out clearly against lower frequency ambient noises. The bell is available for all usual supply voltages.
The version dRGW21/F emits the signals in time with the connected telephone call.

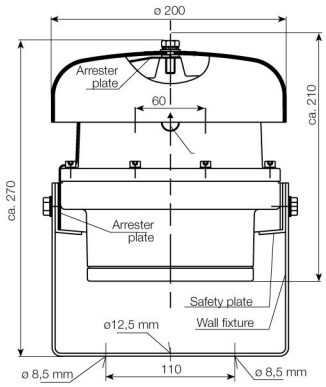
Design

Explosion protection is ensured by the flameproof enclosure of the driver system and the terminal box realised in the explosion protection mode "increased safety". The flameproof room contains the electromagnetic driver system and, for the design dRGW21/F an additional telephone calling relay.
The enclosure is made completely of GRP (glass-fibre reinforced polyester) thus guaranteeing protection against corrosion.
In addition we realize safety class II, so there is no equipotential bonding necessary.
The construction is furthermore low weight and very robust.
All DC versions are equipped with an electronic contact breaker which considerably increases service life compared with other available devices.

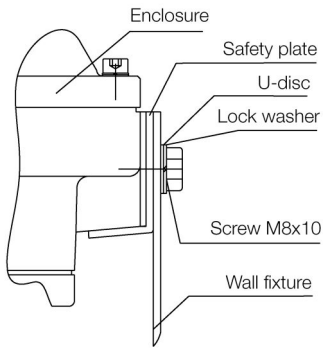
Acoustic Signalling Device in a chemical plant
The emphasis of the ringing lies at approx.1000 Hz, as a result of which the signal stands out clearly against lower frequency ambient noises.

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 dRGW21/F: 2x 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:	Bell dome to the front (tappet downwards)
Volume:	approx. 105 dB(A) at 1m distance
Operating mode:	Continuous
Temperature range:	
Operation	-20°C to +40°C
Storage	-30°C to +80°C
Explosion Protection:	II 2 G EEx de IIC T6
Weight:	approx. 3.5 kg



Mounting wall fixture



Terminal connection plan for dRGW21/F