

dGW21 / dRGW21 EExde Signalling Bell – 105 dB(A)

FEATURES:

- 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 dRGH 21 with integrated telephone call relay
- Integrated terminal box realized in Ex protection mode increased safety



Application:

The signalling bell dGW21 was designed to warn, call and signal in areas with explosive atmospheres in group II and rough ambient conditions.

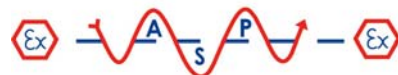
The protection type II 2 G EEx de IIC T6 allows the signalling bell to be used without restriction in all ex-areas classified 1 and 2.

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 lowerfrequency ambient noises. The bell is available for all usual supply voltages. The version dRGW 21 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 dRGW 21 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 lowweight and very robust. All D.C. versions are equipped with an electronic contact breaker which considerably increases service life compared with other available devices

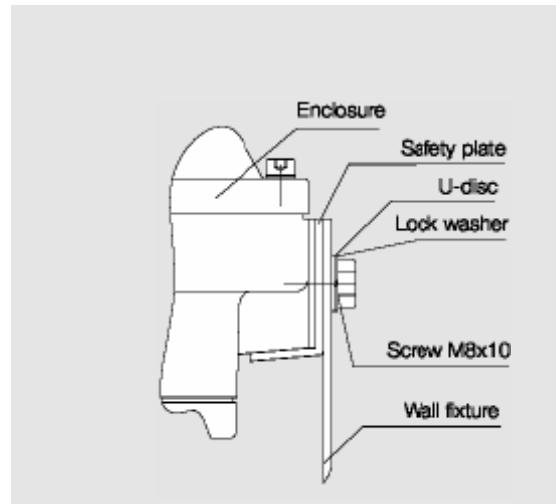
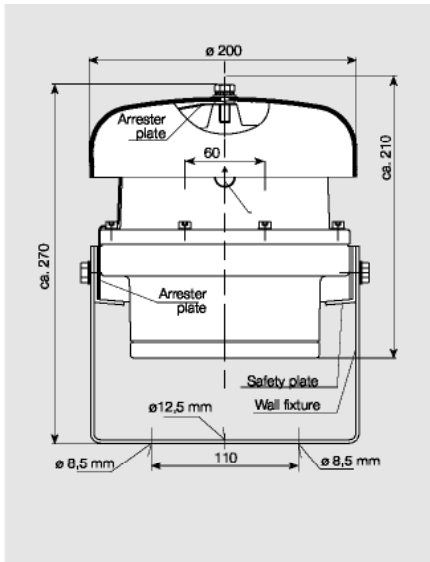




Technical Data

Housing	GRP glass-fibre reinforced polyester Colour: black
Protection	IP 66
Safety class ``	II (no equipotential bonding necessary)
Cable gland	1 x M20 x 1.5 cable gland and 1 blind plug M20 x 1.5 dRGH21: 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 1 m 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

- Cable entry for main voltage: Voltage 230Vac/50Hz. Max Insulated sheathing length 35mm.
- Cable entry for ringing voltage: Max insulated sheathing length 35mm.



Ordering Information:

Type	Name	Rated Voltage U _e	Oper. Volt. range U _e	Current Cons.
dGW 21	EEx II-Signalling Bell	110 VAC 50 Hz	+10/-15%	0.14 A
dGW 21	EEx II-Signalling Bell	230 VAC 50 Hz	+10/-15%	0.055 A
dGW 21	EEx II-Signalling Bell	24 VDC	+10/-15%	0.35 A

Supplied by:

A.S.P. Electro-Technology Ltd
Specialist Suppliers of Hazardous Area Certified
Electrical Products & Instrumentation

39 London Road, Hinckley, LE10 1HQ. U.K.
Tel: +44 (0)1455 635796 Fax: +44 (0)1455 251110
Email: sales@asp-electro-tech.com Web: asp-electro-tech.com



This publication is not intended to form the basis of a contract. All the above specifications, dimensions, weights, tolerances etc are typical and may be varied or changed by the manufacturer without prior notice. A.S.P. Electro-Technology accept no liability for consequence of use.