

# dGW21 Alarm Bell

Modular design with GRP housing for applications in explosive areas of zones 1 and 2



## Overview

Eaton's FHF dGW21 Electromechanical Alarm Bell for Division 2 has been developed specifically for the corrosive and hazardous environments found in the process industries – for on-shore chemical and petrochemical plants, off-shore platforms, food processing and pharmaceutical plants.

The alarm bell has been developed to withstand the temperature differences found outdoors, high humidity, exposure to sea water and dust, as well as heavy mechanical wear and tear.

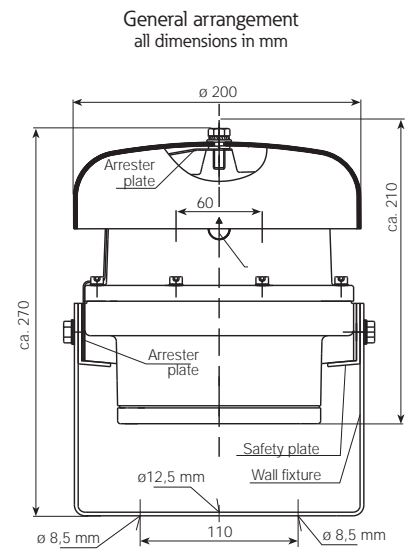
A blocking diode is included, that allows the bell to be installed on fire alarm notification appliance circuits.

## Features

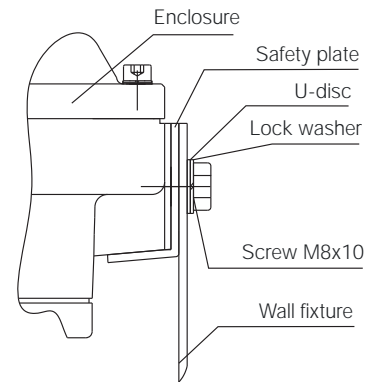
- Precision GRP (glass reinforced polyester) housing includes the junction box with ½" NPT conduit entries and is resistant to acids, sea water, alkali and moisture.
- Weatherproof Type 4X / IP66 environmental ratings.
- Volume - Approx. 105 dB (A).
- Ringing emphasis at 1000Hz stands out clearly against low frequency ambient and machinery noises.
- Fully encapsulated / sealed electronics provide unparalleled resistance to chemicals and moisture in harsh environments.
- 316 stainless steel mounting bracket included.
- Captive terminal box screws prevents their loss during installation.
- Version available with an integrated telephone call relay.
- DC versions are equipped with an electronic contact breaker, increasing the service life when compared with other products.
- Blocking diode allows installation on fire alarm notification appliance circuits



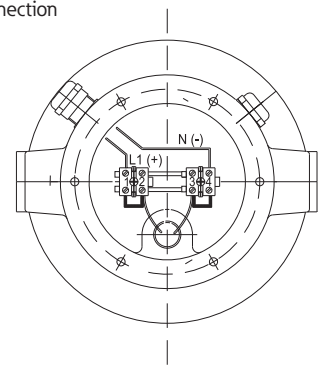
Certifications	
Electrical Protection	UL Nonincendive, Class 1, Division 2 Groups A, B, C, D T6 Class 2, Groups F & G
Enclosure Protection	Weatherproof Type 4X, IP 66 acc. to EN 60529
Operating Temperature	-20°C to + 40°C
Specifications	
Housing Material	GRP (Glass reinforced polyester)
Housing Colour	Black
Bell Dome Material	Epoxy Coated Steel
Bell Dome Colours	Red or Grey
Dimensions	200 x 210mm (200 x 270mm including bracket)
Weight	5.5kg
Conduit Connection	Side entry, ½" NPT, Integral junction box
Mounting	Bell dome to the front, tappet downwards
Alarm Signal Volume	Approx. 105 dB (A) at 1 m distance
Operating Voltage	24 VDC, 120 VAC
Operation Mode	Continuous



Mounting Wall Fixture



Terminal Connection Plan



## Ordering requirements

All item numbers are UL approved

Type	Description	Rated Voltage	Oper. Volt. Range	Current Cons.	Part No.
dGW21	Alarm Bell Grey Bell Dome	24 V <sub>DC</sub>	+10/ -15%	0,317 A	FHF 910 242 70
dGW21	Alarm Bell Red Bell Dome	24 V <sub>DC</sub>	+10/ -15%	0,317 A	FHF 910 242 7013
dGW21	Alarm Bell Grey Bell Dome	120 V <sub>AC</sub> 60Hz	+10/ -15%	0,17 A	FHF 911 201 70
dGW21	Alarm Bell Red Bell Dome	120 V <sub>AC</sub> 60Hz	+10/ -15%	0,17 A	FHF 911 201 7013

Subject to change without notice - A3-US-09/12