

INTRODUCTION

This overview contains concise information on MEDC products for use in potentially explosive atmospheres and harsh industrial and marine environments, and on the range of Next Two commercial speakers suitable for use in public address, voice alarm and background music systems.

To use this guide, refer to the product group of interest, (each group is coloured coded for ease of use) scan through the brief information and select the specific product for your application. For more detailed information visit our web-site www.medc.com or request a data sheet or full catalogue from our sales offices in the UK, USA or Norway.

Product features include:

- Innovative use of GRP (Glass reinforced polyester) for corrosion-free and zero maintenance operation.
- World-wide certification: ATEX, UL, FM, CSA, GOST, CQST Chinese, and to customer specification.
- Wide operating temperature range -55°C to $+70^{\circ}\text{C}$.
- High Ingress Protection to IP66/67 (NEMA 4x & 6).
- Speakers compliant with BS5389 pt 8.
- Wide range of customer specific options.
- Same day despatch on standard.
- Two year warranty on all products.

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NORTH AMERICAN CERTIFIED PRODUCTS page 26

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HOW TO USE THIS OVERVIEW

Model Type

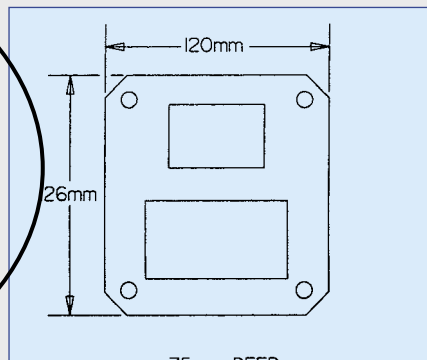
Description of product, its performance, key certification information & options

BG

Break Glass Call Point – Explosionproof & Weatherproof



Certification	ATEX Ex II 1GD, EExia IIC T4 ATEX Ex II 2GD, EExed(m) IIC T4 (T6)
Intrinsically Safe	
Increased Safety	
Certified Ambient Temperature	-40°C to +50°C (EExia) -20°C to +50°C (EExed)
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 4 x 20mm or 16mm
Weight	1.2kg (varies with model)
Options: Body colour, LED, lift flap, series & EOL resistors, diodes, earth continuity, terminals, Chinese certification, tag & duty labels.	



Standard models. Available ex-stock.

Certification	Type	Ordering Code	Standard Product Configuration
ATEX Ex II 1GD	Intrinsically Safe	800002	Standard models have 2 x 20mm bottom entries, red painted GRP, single switch glass label 'Fire Break Glass Press Here'.
ATEX Ex II 2GD	Increased Safety	800003	
	Weatherproof	800001	

Standard model information – available ex-stock on same day despatch (subject to stock levels)

HOW TO ORDER

- For **standard** models: quote relevant **ordering code** and required quantity.
- For **non-standard** models: request relevant data sheet to build up ordering code or contact MEDC.



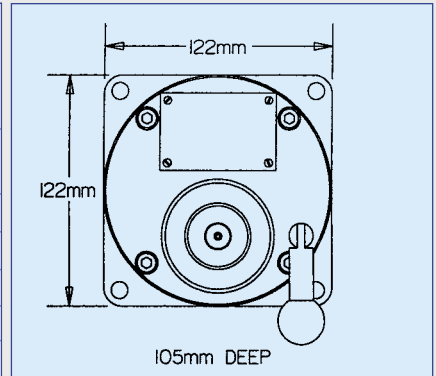
Manual Call Points

SM87 BG

Break Glass Call Point – Explosionproof



Certification	ATEX GOST 'R' & 'K', Chinese
Intrinsically Safe Flameproof	ATEX Ex II 1G, EExia IIC T4 ATEX Ex II 2G, EExd IIC T6
Certified Ambient Temperature	-55°C to +70°C -20°C to +55°C (LED)
Ingress Protection	IP66 & 67
Material	Stainless Steel or Alloy
Entries	Up to 4 x 20mm or 25mm
Weight	3.8kg (Steel) 2.5kg (Alloy)
Options: Body colour, lift flap, LED, resistor, diode, 3 & 4 pole changeover switch, certification, tag & duty labels.	

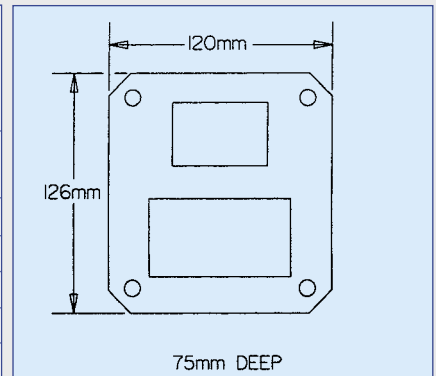


BG

Break Glass Call Point – Explosionproof & Weatherproof



Certification	ATEX GOST 'R' & 'K', Chinese
Intrinsically Safe Increased Safety	ATEX Ex II 1GD, EExia IIC T4 ATEX Ex II 2GD, EExd(m) IIC T4 (T6)
Certified Ambient Temperature	-40°C to +50°C (EExia) -20°C to +50°C (EExed)
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 4 x 20mm or 16mm
Weight	1.2kg (varies with model)
Options: Body colour, LED, lift flap, series & EOL resistors, diodes, earth continuity, terminals, certification, tag & duty labels.	



Standard models. Available ex-stock.

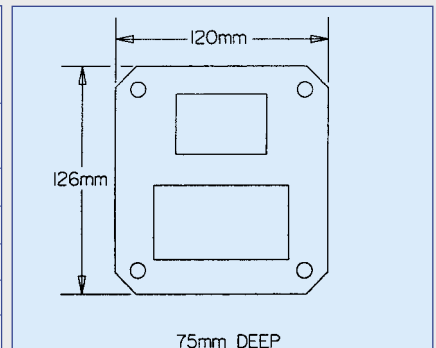
Certification	Type	Ordering Code	Standard Product Configuration
ATEX Ex II 1GD	Intrinsically Safe	800002	Standard models have 2 x 20mm bottom entries, red painted GRP, single switch glass label 'Fire Break Glass Press Here'.
ATEX Ex II 2GD	Increased Safety	800003	
–	Weatherproof	800001	

BG2

Break Glass Call Point – Explosionproof



Certification	ATEX
Intrinsically Safe Increased Safety	ATEX Ex II 1GD, EExia IIC T4 ATEX Ex II 2GD, EExd(m) IIC T4 (T6)
Certified Ambient Temperature	-40°C to +55°C (EExia) -20°C to +50°C (EExed)
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	2 x 20mm
Weight	1.2kg
Options: Lift flap, series & EOL resistors.	



Standard models. Available ex-stock.

Certification	Type	Ordering Code	Standard Product Configuration
ATEX Ex II 1GD	Intrinsically Safe	800005	Standard models have 2 x 20mm bottom entries, natural red GRP, single switch glass label 'Break Glass Press Here'.
ATEX Ex II 2GD	Increased Safety	800004	

Download data sheets from www.medc.com

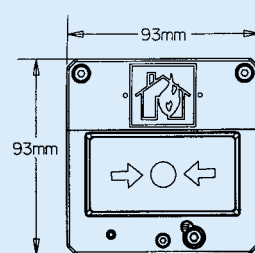
Manual Call Points

BG3

Break Glass Call Point – Explosionproof & Weatherproof



Certification	ATEX, Chinese
Intrinsically Safe	ATEX Ex II 1G, EExia IIC T4
Certified Ambient Temperature	-55°C to +55°C (EExia)
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	2 x 20mm
Weight	0.5kg
Options: Body colour, LED, lift flap, series & EOL resistors, flush mounting, tag & duty labels.	



62mm DEEP (SURFACE MOUNT)
25mm DEEP (FLUSH/PANEL MOUNT)

Standard models. Available ex-stock.

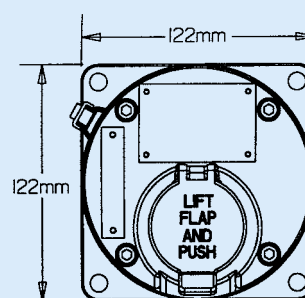
Certification	Type	Ordering Code	Standard Product Configuration
ATEX Ex II 1G	Intrinsically Safe	800007	Standard models are surface mount version, have 2 x 20mm bottom entries, natural red GRP, single switch glass label 'Fire Break Glass Press Here', duty label 'Burning House'
–	Weatherproof	800006	

SM87 PB

Push Button Call Point – Explosionproof



Certification	ATEX, Chinese
Intrinsically Safe	ATEX Ex II 1G, EExia IIC T4
Flameproof	ATEX Ex II 2G, EExd IIC T6
Certified Ambient Temperature	-55°C to +70°C -20°C to +55°C (LED)
Ingress Protection	IP66 & 67
Material	Stainless Steel or Alloy
Entries	Up to 4 x 20mm or 25mm
Weight	3.8kg (Steel) 2.5kg (Alloy)
Options: Body colour, LED, resistor, diode, 3 & 4 pole changeover switch, certification, tag & duty labels.	



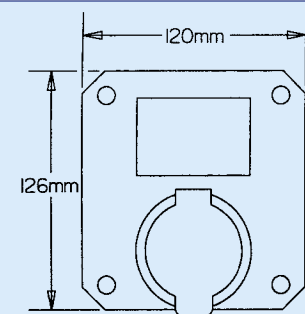
118mm DEEP

PB

Push Button Call Point – Explosionproof



Certification	ATEX, Chinese
Intrinsically Safe	ATEX Ex II 1GD, EExia IIC T4
Increased Safety	ATEX Ex II 2GD, EExed(m) IIC T4 (T6)
Certified Ambient Temperature	-40°C to +70°C (EExia) -20°C to +50°C (EExed)
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 4 x 20mm or 16mm
Weight	1.2kg
Options: Body colour, LED, series & EOL resistors, diode, earth continuity, turn & push, self reset, Chinese certification, tag & duty labels.	



114mm DEEP

Standard models. Available ex-stock.

Certification	Type	Finish	Ordering Code	Standard Product Configuration
ATEX Ex II 2GD	Increased Safety	Red	800010	Standard models have 2 x M20 entries, single switch

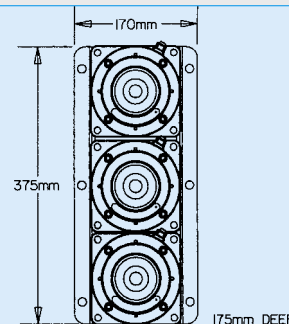
Status Lamps

SM87SL

Xenon, Filament, Fluorescent & LED Status Lamps – Explosionproof



Certification	 ATEX & GOST 'R' & 'K', Chinese
Flameproof	ATEX Ex II 2G, EExd IIC T4 (LED/Fil) ATEX Ex II 2G, EExd IIC T6 (Xe/Fil)
Certified Ambient Temperature	-20°C to +55°C (LED/Fil) -55°C to +70°C* (Xe/Fil)
Ingress Protection	IP66 & 67
Material	Stainless Steel or Alloy
Entries	Up to 3 x 20mm or 25mm
No. of Ways	Up to 4
Options: Body & lens colour, certification, tag & duty labels.	



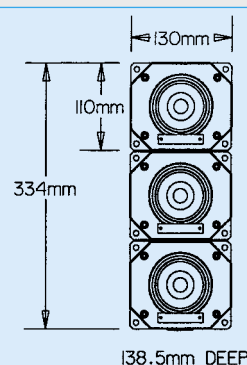
*Model dependant, refer to data sheet.

SL5

Xenon, Filament & LED Status Lights – Explosionproof



Certification	ATEX, Chinese
Increased Safety	ATEX Ex II 2G, EEx(m) II T3/T4
Certified Ambient Temperature	-40°C to +55°C (Xe/Fil) -40°C to +45°C (LED)
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 2 x 16mm or 20mm or 1 x 25mm or 32mm
No. of Ways	Up to 5
Options: Body & lens colour, certification, tag & duty labels.	

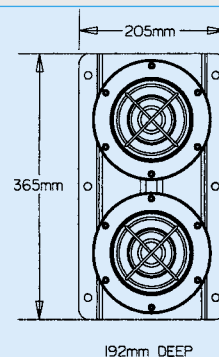


XB11SL

Xenon, Filament & Fluorescent Status Lamps – Explosionproof



Certification	 ATEX c  US
Flameproof	ATEX Ex II 2GD, EExd IIB T5/T6
Certified Ambient Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	1 x 20mm
No. of Ways	Up to 5
Options: Body & lens colour, certification, tag & duty labels.	



Status Lamps can also be configured using the high intensity XB4 range.

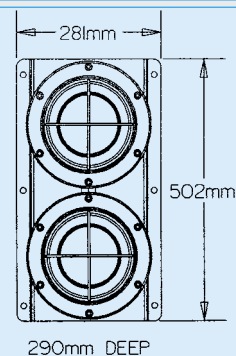
Download data sheets from **www.medc.com**

Status Lamps

XB12 SL Xenon, Filament & Fluorescent Status Lamp – Explosionproof



Certification	ATEX c _{us}
Flameproof	ATEX Ex II 2G, EExd IIB T4/T5
Certified Ambient Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	1 x 20mm
No. of Ways	Up to 5
Options: Body & lens colour, certification, tag & duty labels.	



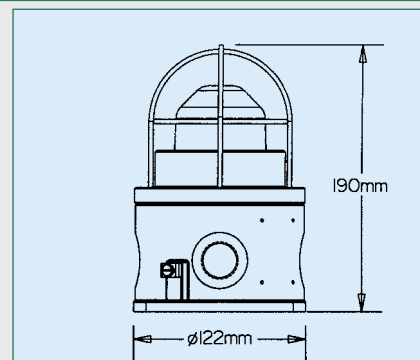
Beacons/Strobes

SM87 HXB

5 Joule Flashing Xenon – Explosionproof



Certification	ATEX cULus GOST 'R' & 'K', Chinese
Flameproof	ATEX Ex II 2GD, EExd(e) IIC T6
Certified Ambient Temperature	-55°C to +70°C (EExd)
Ingress Protection	IP66 & 67
Material	Stainless Steel or Alloy
Entries	Up to 4 x 20mm or 25mm
Weight	3.8kg (Steel) or 2kg (Alloy)
Options: Body & lens colour, EOL resistor, tel. & relay initiate, certification, lens guard, tag & duty labels, flash rate, high temp. version (-40°C to +85°C) available, voltages 24-48V d.c., 110-254V a.c.	



Standard models. Available ex-stock.

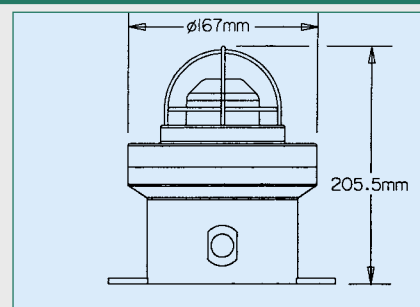
Certification	Voltage	Lens Colour	Ordering Code	Standard Product Configuration
ATEX Ex II 2G	24V d.c.	Red	813005	Standard models are in alloy, red body, no tag or duty labels, 2 x M20 entries, 60 flashes per minute.
ATEX Ex II 2G	24V d.c.	Amber	813006	
ATEX Ex II 2G	240V a.c.	Red	813007	
ATEX Ex II 2G	240V a.c.	Amber	813008	

XB11

5 Joule Flashing Xenon – Explosionproof



Certification	ATEX cULus Chinese, SAA
Flameproof	ATEX Ex II 2GD, EExd IIB T4, T5 & T6
Certified Ambient Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	2 x 20mm
Weight	2.5kg
Options: Body & lens colour, mounting, tel. initiate, certification, lens guard, flash rate, earth continuity, voltages 24V d.c., 110V a.c., 240 V a.c.	



Standard models. Available ex-stock.

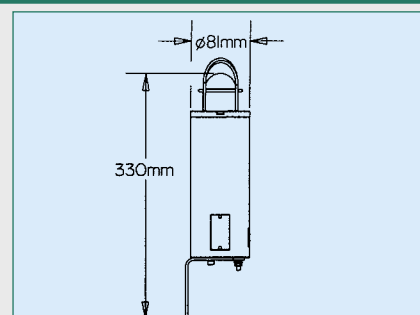
Certification	Voltage	Lens Colour	Ordering Code	Standard Product Configuration
ATEX Ex II 2GD	24V d.c.	Red	811101	Standard models are in GRP, natural black body, no tag or duty labels, 2 x M20 entries, 60 flashes per minute.
ATEX Ex II 2GD	24V d.c.	Amber	811102	
ATEX Ex II 2GD	240V a.c.	Red	811103	
ATEX Ex II 2GD	240V a.c.	Amber	811104	

XB9

5 Joule Flashing Xenon – Explosionproof



Certification	ATEX
Flameproof	ATEX Ex II 2G, EExd IIC T5/T6
Certified Ambient Temperature	-55°C to +55°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	1 x 20mm or PG13.5
Weight	1.6kg
Options: Body & lens colour, tag & duty labels, lens guard, voltages, flash rate, 24-48V d.c., 110-254V a.c.	



Standard models. Available ex-stock.

Certification	Voltage	Lens Colour	Ordering Code	Standard Product Configuration
ATEX Ex II 2G	24V d.c.	Red	819105	Standard model has natural black body, no tag or duty labels, 60 flashes per minute, lens guard, 3m cable & tail.
ATEX Ex II 2G	24V d.c.	Amber	819106	
ATEX Ex II 2G	240V a.c.	Red	819107	
ATEX Ex II 2G	240V a.c.	Amber	819108	

Download data sheets from www.medc.com

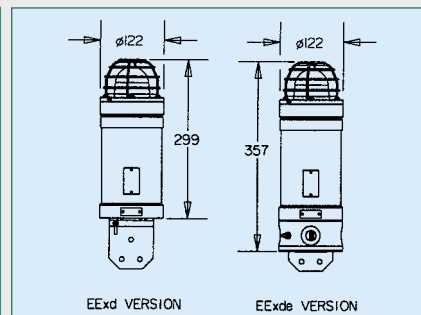
Beacons/Strobes

XB10

10 & 15 Joule Flashing Xenon – Explosionproof & Weatherproof



Certification Flameproof	Ⓔ ATEX, GOST 'R' ATEX Ex II 2G, EExd(e) IIB T4
Certified Ambient Temperature	*-55°C to +55°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 3 x 20mm or 2 x PG13.5
Weight	2.8-3.6kg
Options: Body & lens colour, tel. initiate, earth continuity, flash rate, terminal chamber, voltages 24-48V d.c., 110-254V a.c.	



Standard models. Available ex-stock.

*EExd version only, see data sheet for more information.

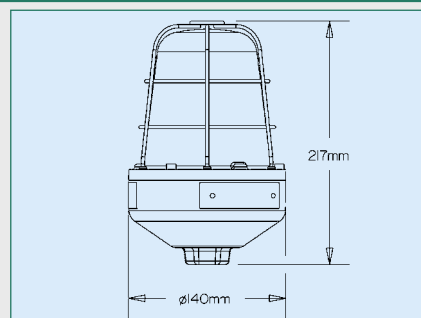
Certification	Voltage	Lens Colour	Ordering Code	Standard Product Configuration
ATEX Ex II 2G	24V d.c.	Red	811050	Standard models are in natural black, 15 Joules, lens guard, no tag or duty labels, 2 x M20 entries, 60 flashes per minute.
ATEX Ex II 2G	24V d.c.	Amber	811051	
ATEX Ex II 2G	240V a.c.	Red	811052	
ATEX Ex II 2G	240V a.c.	Amber	811053	

XB16

10 Joule Flashing Xenon – UL Hazardous & Ordinary Locations



Certification Hazardous Locations	cUL _{us} UL 1971 compliant Class I, Div 2, Groups A-D Class II, Div 2, Groups F & G
Certified Ambient Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	1 x 1/2" NPT
Weight	1kg
Options: Body & lens colour, lens guard, tag & duty labels, relay initiate, flash rate, voltages 12-48V d.c., 110-254V a.c.	

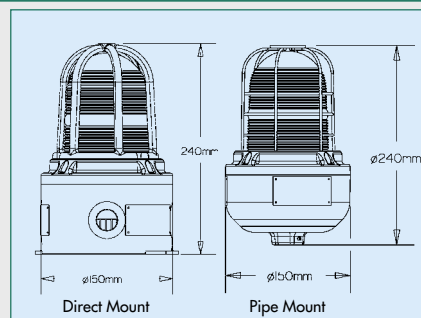


XB15

15 Joule Flashing Xenon – Explosionproof



Certification Flameproof	Ⓔ ATEX cUL _{us} ATEX Ex II 2GD, EExd IIC T5/T6
Certified Ambient Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 3 x 20mm or 3 x 25mm
Weight	2.6-3kg
Options: Body & lens colour, relay & telephone initiate, flash rate, voltages 12-48V d.c., 110-254V a.c.	

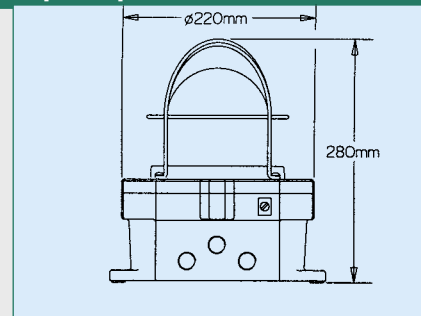


XB4

21 Joule Flashing Xenon – Explosionproof



Certification Flameproof	Ⓔ ATEX cUL _{us} GOST 'R' SAA ATEX Ex II 2G, EExd(e) IIC T5
Certified Ambient Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Stainless Steel or Alloy
Entries	Up to 4 x 20mm or 25mm
Weight	15-16kg (Steel), 6.6-7.4kg (Alloy)
Options: Body & lens colour, lens guard, tag & duty labels, terminals, terminal chamber, initiation options, flash rate, voltages 24-48V d.c., 110-254V a.c.	



Standard models. Available ex-stock.

Certification	Voltage	Lens Colour	Ordering Code	Standard Product Configuration
ATEX Ex II 2G	24V d.c.	Red	814001	Standard model are red painted, alloy, no lens guard, 2 x M20 entries.
ATEX Ex II 2G	240V a.c.	Red	814002	

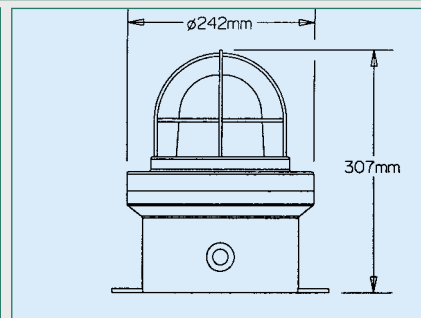
Beacons/Strobes

XB12

21 Joule Flashing Xenon – Explosionproof



Certification	ⒺⒶ ATEX ⓈGOST 'K', Chinese
Flameproof	ATEX Ex II 2G, EExd IIB T4/T5
Certified Ambient Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	2 x 20mm
Weight	7.0kg
Options: Body & lens colour, lens guard, tag & duty labels, telephone initiation, flash rate, mounting method, earth continuity, voltages 24V d.c., 110-240V a.c.	



Standard models. Available ex-stock.

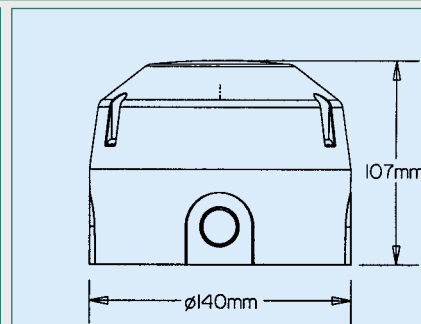
Certification	Voltage	Lens Colour	Ordering Code	Standard Product Configuration
ATEX EX II 2GD	24V d.c.	Red	812101	Standard models are in natural black GRP, no lens guard, 2 x 20mm entries, 60 flashes per minute.
ATEX EX II 2GD	24V d.c.	Amber	812102	
ATEX EX II 2GD	240V a.c.	Red	812103	
ATEX EX II 2GD	240V a.c.	Amber	812104	

XB8

0.5 Joule Flashing Xenon – Explosionproof



Certification	ⒺⒶ ATEX GOST 'R'
Intrinsically Safe	ATEX Ex II 1G, EExia IIB/IIC T4
Certified Ambient Temperature	-55°C to +60°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP body Polycarbonate lens
Entries	Up to 3 x 20mm via knockouts
Weight	1.4kg
Options: Body & lens colour, certification, tag & duty labels, voltages 12-24V d.c.	



Standard models. Available ex-stock.

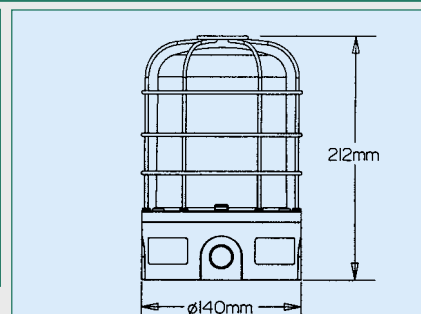
Certification	Voltage	Lens Colour	Ordering Code	Standard Product Configuration
ATEX Ex II 1G	24V d.c.	Clear	818002	Standard models have natural red body colour, no tag or duty labels, 60 flashes per minute.

XB13

10 Joule Flashing Xenon – Weatherproof & Heavy Duty



Operating Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP body Polycarbonate lens
Entries	Up to 3 x 20mm via knockouts
Weight	1.1kg
Options: Body & lens colour, tag & duty labels, lens guard, telephone & relay initiate, single & dual flash mode, voltages 12-24V d.c., 115-230V a.c.	



Standard models. Available ex-stock.

Voltage	Lens Colour	Ordering Code	Standard Product Configuration
24V d.c.	Red	813101	Standard models are in natural red body colour, no tag or duty labels, no lens guard, 3 x 20mm entries via knockouts, 60 flashes per minute (single flash mode), dual & single flash modes.
24V d.c.	Amber	813102	
230V a.c.	Red	813103	

Download data sheets from www.medc.com

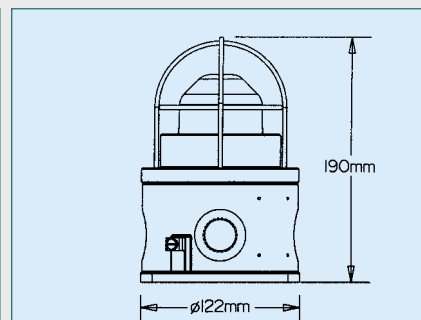
Beacons/Strobes

SM87
LU1/LU3

10 Watt Steady Filament/Fluorescent Explosionproof



Certification	ATEX cULus GOST 'R', Chinese
Flameproof	ATEX Ex II 2GD, EExd(e) IIC T4/T6
Certified Ambient Temperature	-55°C to +55°C (model dependent)
Ingress Protection	IP66 & 67
Material	Stainless Steel or Alloy
Entries	Up to 3 x 20mm or 25mm
Weight	2.5 - 3.8kg
Options: Body & lens colour, lens guard, tag & duty labels, terminal chamber, voltages 24-48V d.c., 110-254V a.c.	

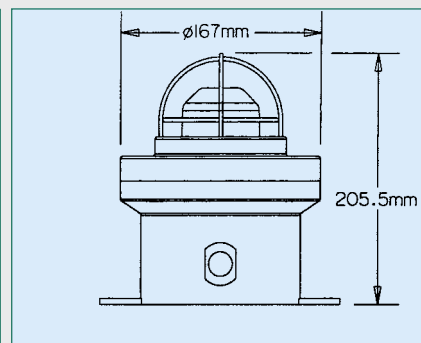


**FB11 &
FL11**

10 Watt Steady Filament & Fluorescent Explosionproof



Certification	ATEX cULus
Flameproof	ATEX Ex II 2GD, EExd IIB T4/T5
Certified Ambient Temperature	-55°C to +55°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	2 x 20mm
Weight	2.8kg
Options: Body & lens colour, lens guard, tag & duty labels, lamp wattage, unit fixing, earth continuity, mounting method, voltages 24-48V d.c., 110-254V a.c.	

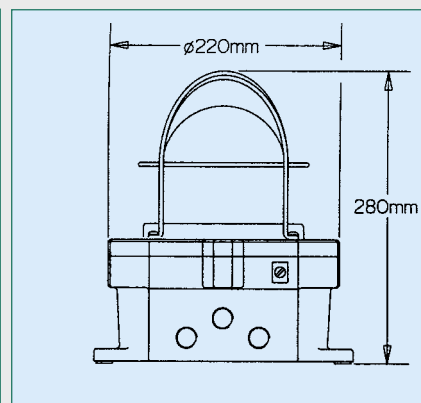


**FB4 &
FL4**

100 Watt Steady Filament & 39 Watt Fluorescent Explosionproof



Certification	ATEX cULus GOST 'R'
Flameproof	ATEX Ex II 2G, EExd(e) IIC T3/T6
Certified Ambient Temperature	-55°C to +55°C (FB4 EExd) -50°C to +55°C (FB4 EExde) -20°C to +55°C (FL4)
Ingress Protection	IP66 & 67
Material	Stainless Steel or Alloy
Entries	Up to 4 x 20mm or 25mm
Weight	14.9-17.3kg (Steel), 6.5 - 8.9kg (Alloy)
Options: Body & lens colour, lens guard, tag & duty labels, lamp wattage, relay initiate, terminals, terminal chamber, voltages 24-48V d.c., 110V d.c., 110-254V a.c.	



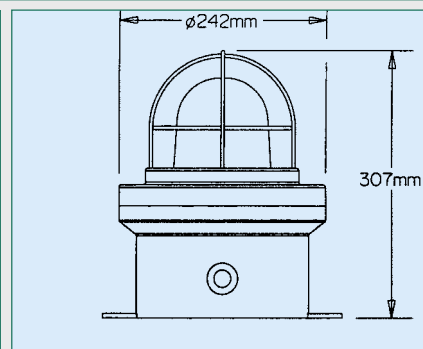
Beacons/Strobes

FB12 & FL12

100 Watt Steady Filament & 39 Watt Fluorescent Explosionproof



Certification Flameproof	ATEX c U _{us} ATEX Ex II 2G, EExd IIB T4/T5
Certified Ambient Temperature	-55°C to +55°C (FB12) -20°C to +55°C (FL12)
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	2 x 20mm
Weight	7.2 - 7.6kg
Options: Body & lens colour, lens guard, tag & duty labels, lamp wattage, unit fixing, earth continuity, mounting method, voltages 24-48V d.c., 110-254V a.c.	

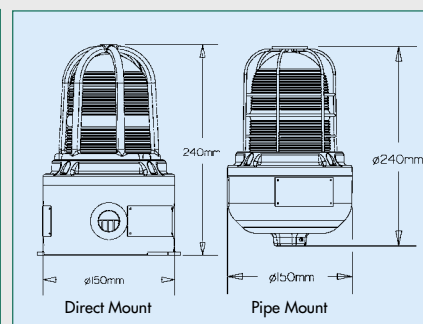


FB15

60 Watt/100 Watt Steady Filament – Explosionproof

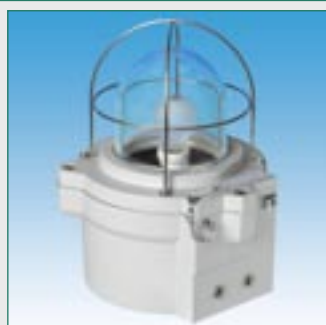


Certification Flameproof	ATEX c U _{us} ATEX Ex II 2GD, AExd IIC T3/T4
Certified Ambient Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	2 x 20mm
Weight	2.6 - 3kg
Options: Body & lens colour, lens guard, tag & duty labels, lamp wattage, unit fixing, mounting method, voltages 24-48V d.c., 110-254V a.c.	

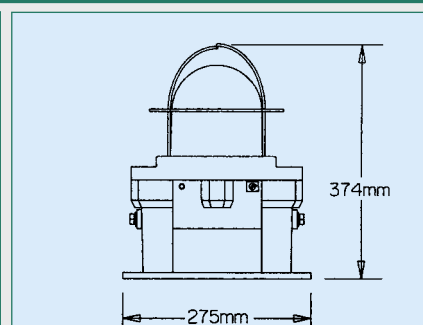


FB5 & FL5

200 Watt Steady Filament & 52 Watt Steady Fluorescent Explosionproof



Certification Flameproof	ATEX ATEX Ex II 2G, EExd(e) IIB T3/T4
Certified Ambient Temperature	-20°C to +30°C (FB5) -20°C to +50°C (FL5)
Ingress Protection	IP66, 67 & 68
Material	Stainless Steel or Alloy
Entries	Up to 4 x 20mm or 25mm
Weight	11.6 - 14.3kg
Options: Body colour, lens guard, mounting method, voltages 220-254V a.c.	



Download data sheets from www.medc.com

Beacons/Strobes

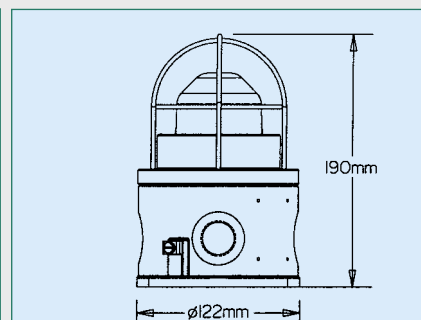
SM87 LED

Up to 192 Cd Steady or Flashing LED (Selectable)

Explosionproof



Certification Flameproof	ATEX ATEX Ex II 2GD, EExd(e) IIC T6
Certified Ambient Temperature	-20°C to +40°C
Ingress Protection	IP66 & 67
Material	Stainless Steel or Alloy
Entries	Up to 3 x 20mm or 25mm
Weight	2.5 - 4.5kg
Options: Body & lens colour, lens guard, tel & relay initiate, EOL resistor, terminal chamber, voltages 24-48V d.c..	



Certification	Voltage	Lens Colour	Ordering Code	Standard Product Configuration
ATEX Ex II 2G	24V d.c.	Red	813009	Standard model are alloy, red body, no tag or duty labels, 2 x 20mm entries, 60 flashes per minute.

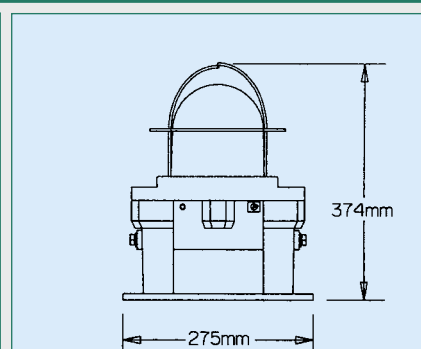
XB5 & TH5

5 Joule Sequenced & 70 Watt Rotating

Explosionproof



Certification Flameproof	ATEX ATEX Ex II 2G, EExd(e) IIB T4/T6
Certified Ambient Temperature	-20°C to +55°C (TH5) -20°C to +40°C (XB5)
Ingress Protection	IP66, 67 & 68
Material	Alloy
Entries	Up to 4 x 20mm or 25mm
Weight	14.6 - 15.9kg
Options: Body & lens colour, lens guard, tag label, terminal chamber, rotational speed, voltages *12-48V d.c., 110V d.c., 110-254V a.c.	

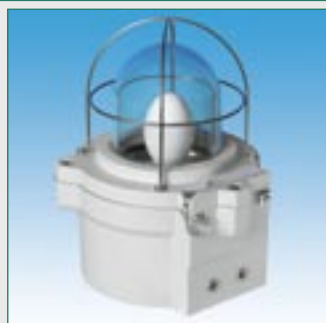


*See data sheet for voltage option for TH5.

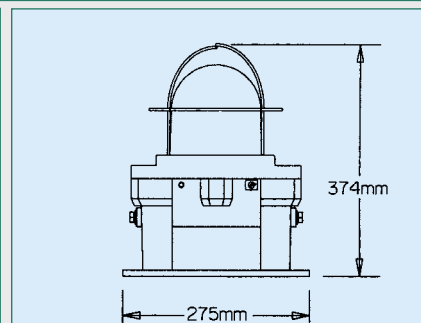
HS5 & MF5

70 Watt Sodium/80 Watt Mercury Fluorescent

Explosionproof



Certification Flameproof	ATEX, (HS5 only) ATEX Ex II 2G, EExd(e) IIB T3/T4
Certified Ambient Temperature	-20°C to +40°C
Ingress Protection	IP66, 67 & 68
Material	Stainless Steel or Alloy
Entries	Up to 4 x 20mm or 25mm
Weight	12.9 - 14.0kg
Options: Body colour, lens guard, tag label, terminal chamber, mounting method, voltages 220-254V a.c.	



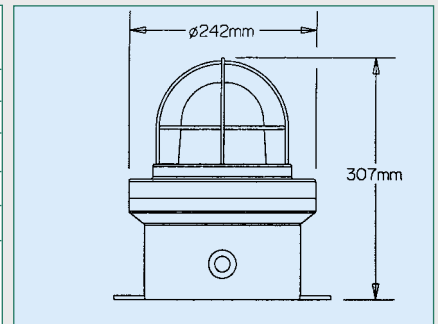
Beacons/Strobes

TH12

55 Watt/70 Watt Rotating Beacon – Explosionproof



Certification	ATEX
Flameproof	ATEX Ex II 2G, EExd IIB T4/T5
Certified Ambient Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	2 x 20mm
Weight	7.6kg
Options: Body & lens colour, lens guard, tag & duty labels, flash rate, mounting method, earth continuity, voltages 24V d.c. 110-240V a.c.	



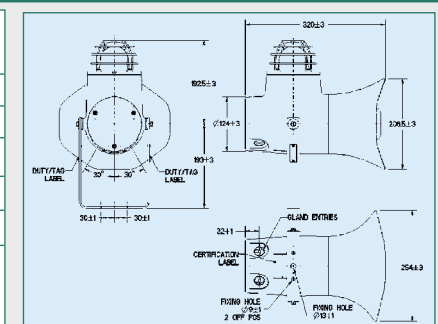
Standard models. Available ex-stock.

CU1

Combination - Beacon/Sounder



Certification	ATEX Ex II 2G, EExd(e) IIB T3,
Flameproof	
Certified Ambient Temperature	-50°C to +70°C*
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 2 x 25mm
Weight	6.5kg approx
Options: Body & lens colour, tel. initiate, earth continuity, flash rate, voltages 24-48V d.c. 110-254V a.c.	



Standard models. Available ex-stock. *High Temperature Unit, See data sheet for other versions.

Certification	Voltage	Alarm Type	Lens Colour	Ordering Code	Standard Product Configuration
ATEX Ex II 2GD	24V d.c.	Single Stage	Red	803140	Standard models are in red finish, 10 Joules, lens guard, no tag or duty labels, 2 x M20 entries, one certified plug 60 flashes per minute.
ATEX Ex II 2GD	24V d.c.	Two Stage	Red	803141	
ATEX Ex II 2GD	240V a.c.	Single Stage	Red	803142	

Beacon/Sounder Combination Units

– Explosionproof & Heavy Duty Industrial & Marine



A range of combination units that can be constructed from MEDC sounders, beacons and other equipment.

For more information, request data sheet 6DS104.



Note: Examples only – actual arrangements may vary (contact sales office)

Download data sheets from **www.medc.com**

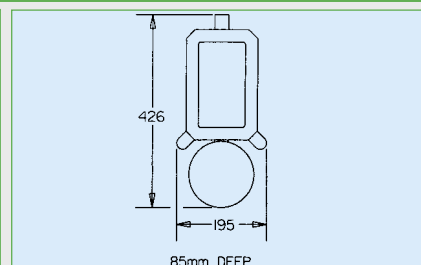
Sounders/Horns

DB6

109dB(A) Bell – Explosionproof



Certification	ATEX
Flameproof	ATEX Ex II 2G, EExd IIB T5
Certified Ambient Temperature	-20°C to +55°C
Ingress Protection	IP65
Material	Cast Iron
Entries	2 x 20mm
Weight	11kg
Options: Body colour, tag labels, voltages 24V d.c., 240V a.c.	



Standard models. Available ex-stock.

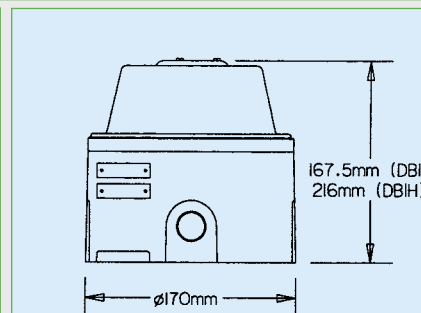
Certification	Voltage	Body Colour	Ordering Code	Standard Product Configuration
ATEX Ex II 2G	24V d.c.	Red	806003	Standard models are in cast iron, no tag or duty labels, 2 x M20 entries.

DB1

113dB(A) Sounder – Explosionproof



Certification	ATEX
Flameproof	ATEX Ex II 2G, EExd IIB T3
Certified Ambient Temperature	-20°C to +70°C
Ingress Protection	IP66
Material	Stainless steel or alloy
Entries	Up to 3 x 20mm or 25mm
Weight	3.5-12.7kg (model dependent)
Options: Body colour, tag & duty labels, two stage (DB1P) alarms, high output (DB1H & DB1HP), tel, relay or remote initiate, EOL resistor, certification, voltages 12-48V d.c., 110V a.c., 240V a.c.	



Standard model. Available ex-stock.

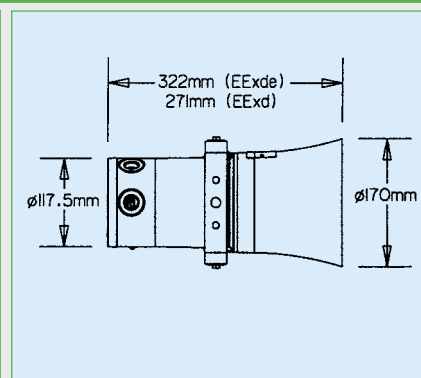
Certification	Ordering Code	Standard Product Configuration
ATEX Ex II 2G	801001	Standard model is single stage alarm, red painted alloy, no tag or duty labels, 2 x M20 entries, 24V d.c., 6 tones, 103dBA output.

DB3

118dB(A) Sounder – Explosionproof & Weatherproof



Certification	ATEX
Flameproof	ATEX Ex II 2GD, EExd(e) IIC T5
Certified Ambient Temperature	-20°C to +70°C (standard) -55°C to +55°C (low temp unit)
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 2 x 20mm
Weight	6.0kg
No. of Tones	27 + 5 programmable
Options: Body colour, tag & duty labels, two stage alarm (DB3P), low temperature version available, EOL resistor, certification, terminal chamber voltages 12-48V d.c., 110V-254V a.c.	



Standard models. Available ex-stock.

Certification	Body Colour	Alarm Type	Voltage	Ordering Code	Standard Product Configuration
ATEX Ex II 2GD	Natural Black	Two Stage	12-48V d.c.	803121	Standard model has 27 tones, no tag or duty labels, 2 x 20mm entries with one certified plug fitted.
ATEX Ex II 2GD	Red	Two Stage	12-48V d.c.	803123	
ATEX Ex II 2GD	Red	Single Stage	12-48V d.c.	803125	
ATEX Ex II 2GD	Natural Black	Single Stage	240V a.c.	803122	
ATEX Ex II 2GD	Red	Single Stage	240V a.c.	803124	

Sounders/Horns

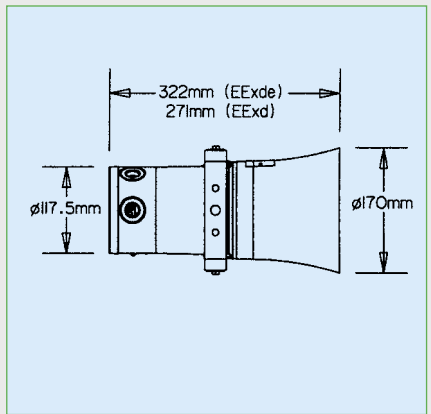
DB3V

110dB(A) Voice Sounder – Explosionproof



Certification	ATEX GOST 'R' & 'K', Chinese, SAA
Flameproof	ATEX Ex II 2GD, EExd(e) IIC T5
Certified Ambient Temperature	-20°C to +55°C (standard) -55°C to +55°C (low temp unit)
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 2 x 20mm
Weight	6.0kg
Speech Duration	Up to 20 seconds repeatable

Options: Body colour, tag & duty labels, low temperature version available, EOL resistor, record feature, certification, terminal chamber, 'mechanical bell' sound version, voltages 12-48V d.c.



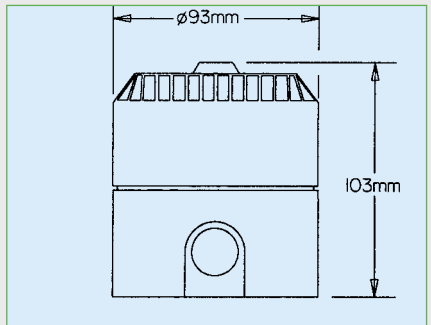
DB5

103dB(A) Sounder – Explosionproof



Certification	ATEX
Intrinsically Safe	ATEX Ex II 1G & Ex I M1, EExia IIC T4
Certified Ambient Temperature	-20°C to +55°C
Ingress Protection	IP65
Material	Corrosion-free ABS
Entries	Up to 2 x 20mm via knockouts
Weight	0.3kg
No. of Tones	26

Options: Body colour, tag labels, certification, voltages 12V-24V d.c.



Standard models. Available ex-stock.

Certification	Voltage	Ordering Code	Standard Product Configuration
ATEX Ex II 1G	12V d.c.	805001	Standard model has 26 tones, natural red body colour, no tag or duty labels, 3 x 20mm entries via knockouts.
ATEX Ex II 1G	24V d.c.	805002	

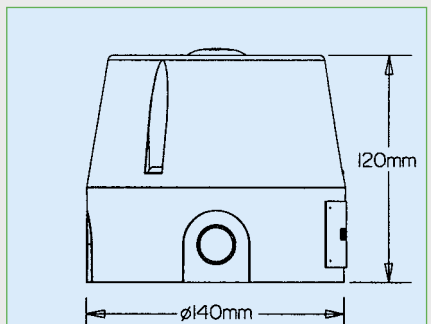
DB7

110dB(A) Sounder – Explosionproof



Certification	ATEX GOST 'R'
Intrinsically Safe	ATEX Ex II 1G, EExia IIB/IIC T4
Certified Ambient Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 3 x 20mm via knockouts
Weight	1.0kg
No. of Tones	27

Options: Certification, body colour, duty & tag labels, voltages 12-24V d.c.



Standard models. Available ex-stock.

Certification	Voltage	Ordering Code	Standard Product Configuration
ATEX Ex II 1G	24V d.c.	807006	Standard model is a two stage alarm (DB7P), has 27 tones, natural red body, up to 3 x 20mm entries via knockouts.

Download data sheets from www.medc.com

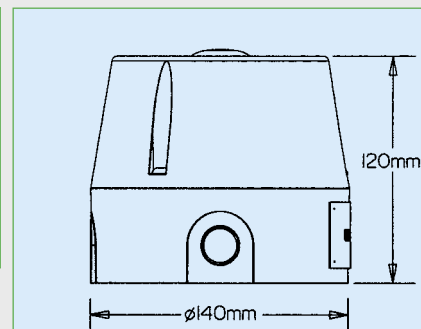
Sounders/Horns

DB12

110dB(A) Sounder – Weatherproof & Heavy Duty



Operating Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 3 x 20mm via knockouts
Weight	1kg
No. of Tones	27 + 5 programmable
Options: Body colour, tag & duty labels, voltages 12V & 24V d.c.	



Standard models. Available ex-stock.

Voltage	Alarm Type	Ordering Code	Standard Product Configuration
24V d.c.	Two Stage	808001	Standard model has 27 tones, natural red body colour, no tag or duty labels, 3 x 20mm entries via knockouts.
115/230V a.c.	Single Stage	808003	

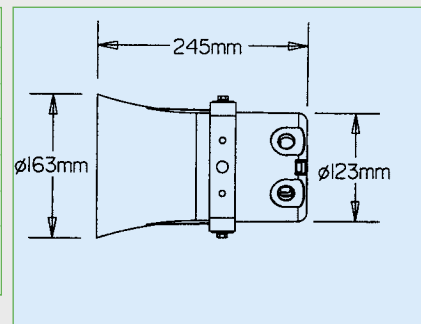
DB15

117dB(A) Sounder – Weatherproof & Heavy Duty



Operating Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	2 x 20mm
Weight	2.6kg
No. of Tones	27 + 5 programmable
Options: Body colour, tag & duty labels, two stage alarm (DB15P) version, earth continuity, EOL resistor, voltages 12-48V d.c., *110-254V a.c.	

*Not available in a.c. versions for DB15P.



Standard models. Available ex-stock.

Voltage	Body Colour	Alarm Type	Ordering Code	Standard Product Configuration
24-48V d.c.	Natural Grey to RAL 7035	Two stage	808110	Standard model has 27 tones, 2 x 20mm entries.
24-48V d.c.	Red	Two stage	808115	
240V a.c.	Natural Grey to RAL 7035	Single stage	808120	
240V a.c.	Red	Single stage	808125	

Beacon/Sounder Combination Units

Explosionproof & Heavy Duty Industrial & Marine



A range of combination units that can be constructed from MEDC sounders, beacons and other equipment.

For more information, download from www.medc.com, request data sheet 6DS104 or contact the sales office.



Sounder/Beacon Combi units	GRP, ATEX Ex II 2GD, EExd IIB T5, Zones 1 & 2, 1 x M20 entry, IP66 & IP67		
803130	DB3/XB11 24V RED/RED	24V dc, Choice of 27 tones, 115dB(A) Output, 29Cd, No labels, Red Lens, Red Finish	

Speakers

DB10

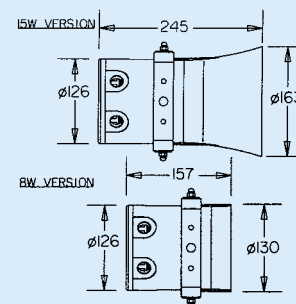
8 & 15 Watt Speaker – Explosionproof



15 Watt*

*8 Watt version has short flare.

Certification	ATEX, GOST 'R' & 'K', Chinese
Flameproof & Increased Safety	ATEX Ex II 2G, EExde IIB & H2
Certified Ambient Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Output	105 dBA at 1W 1 metre 115 dBA at 15W at 1 metre
Entries	Up to 2 x 20mm
Weight	3.2kg (model dependent)
Tappings @ 15 Watts	15, 7.5, 5, 4, 2, 0.8
Options: Body colour, tag & duty labels, transformer voltage	



Standard models. Available ex-stock.

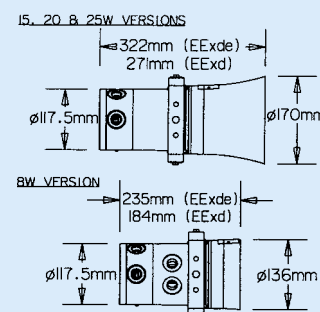
Certification	Power	Ordering Code	Standard Product Configuration
ATEX Ex II 2G	15 Watts	807915	Standard model has 100V line transformer, natural black GRP body, 2 x 20mm entries, fitted with one certified plug, integral E-chamber, earth continuity.
ATEX Ex II 2G	8 Watts	807908	

DB4

8 - 25 Watt Speaker – Explosionproof



Certification	ATEX, GOST 'R' & 'K', SAA
Flameproof	ATEX Ex II 2GD, EExd(e) IIC T4/T5
Certified Ambient Temperature	-20°C to +70°C (standard) -55°C to +70°C (low temp unit)
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Output	107 dBA at 1W at 1 metre 119 dBA at 25W at 1 metre
Entries	Up to 2 x 20mm
Weight	6kg
Tappings @ 25 watts	25, 12.5, 6, 4, 2, 1
Options: Power (8W, 15W, 20W, 25W), body colour, tag & duty labels, BS5839, part 8 compliance, certification, terminal chamber, transformer voltage	



Standard models. Available ex-stock.

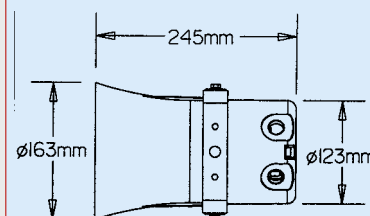
Certification	Power	Ordering Code	Standard Product Configuration
ATEX EX II 2GD	15 Watts	804215	Standard model has natural black finish, no labels, 2 x 20mm entries, fitted with one certified plug & 100V line transformer.
ATEX EX II 2GD	25 Watts	804225	

DB18

15 Watt Speaker – Explosionproof (Zone 2)



Compliance	ATEX
Non-sparking (Zone 2)	ATEX Ex II 3GD, EEx nA II T4
Compliant Ambient Temperature	-55°C to +55°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Output	107 dBA at 1W at 1 metre 117 dBA at 15W at 1 metre
Entries	2 x 20mm
Weight	2.6kg
Tappings @ 15 Watts	15, 7.5, 5, 4, 2, 0.8
Options: Body colour, tag & duty labels, transformer voltage	



Standard models. Available ex-stock.

Certification	Ordering Code	Standard Product Configuration
ATEX Ex II 3GD	808401	Standard model has natural black finish, no labels, 2 x 20mm entries, 100V line transformer.

Download data sheets from www.medc.com

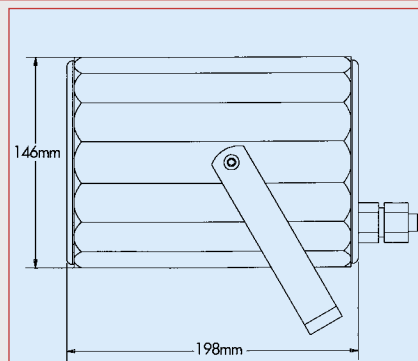
Speakers

DB19

15 Watt Projector Speaker – Explosionproof (Zone 2)



Compliance	ATEX
Non-sparking (Zone 2)	ATEX Ex II 3GD, EEx nA II T4
Compliant Ambient Temperature	-55°C to +55°C
Ingress Protection	IP54
Material	Aluminium body
Output	92 dBA at 1W at 1 metre 104 dBA at 15W at 1 metre
Tappings	15, 7.5, 4, 2.7, 1.3, 0.8
Options: Body colour & transformer voltage	


Standard models. Available ex-stock.

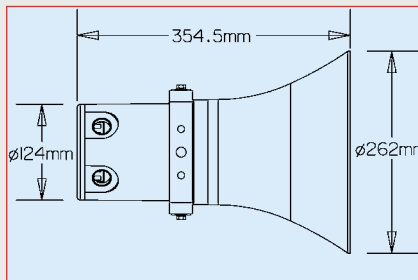
Certification	Ordering Code	Standard Product Configuration
ATEX Ex II 3GD	808501	Standard model has white finish to RAL 9010, no labels, cable tail, 100V line transformer.

DB16

25 and 30 Watt Speaker – Explosionproof



Certification	ATEX & GOST 'K'
	ATEX Ex II 2G, EExde IIB T3 ATEX Ex II 2GD, EExde IIC T110°C
Certified Ambient Temperature	-50°C to +65°C (25W) -50°C to +40°C (30W)
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
*Output	IIB version 1W/1m is 110dBA 25W/1m is 121dBA 30W/1m is 122dBA IIC version 3dBA less than IIB versions
Entries	Up to 2 x 20mm or 2 x 25mm
Weight	5.5kg
Tappings @ 30 Watts	30, 25, 12, 6, 4, 2
Options: Body colour, 30W or 25W, transformer, tag & duty labels.	



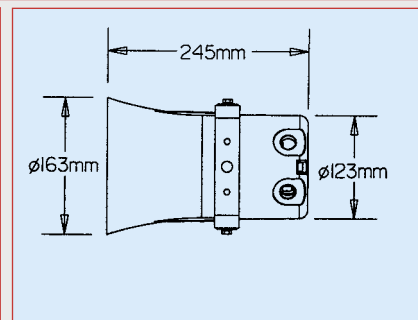
*See data sheet for additional output.

DB14

15 Watt Speaker – Weatherproof & Heavy Duty



Ambient Operating Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Output	107 dBA at 1W at 1 metre 117 dBA at 15W at 1 metre
Entries	2 x 20mm
Weight	2.6kg
Tappings	15, 7.5, 5, 4, 2, 0.8
Options: Body colour, tag & duty labels, transformer voltage, BS 5839, part 8 compliance, earth continuity	


Standard models. Available ex-stock.

Ordering Code	Standard Product Configuration
808010	Standard model has 100V line transformer, natural grey GRP body to RAL 7035, 2 x 20mm entries, no labels.

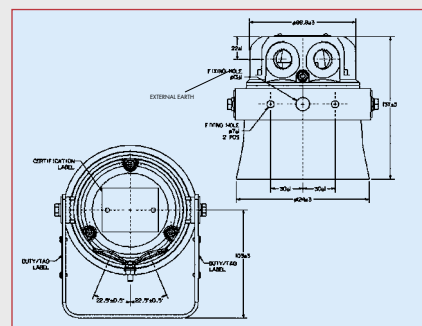
Speakers

DB20

8 & 4 Watt Speaker – Explosionproof



Certification	Ex ATEX, Ex de IIC tD A21 T130°C, IECEx de IIC tD A21 T130°C,
Certified Operating Temperature	-55°C to +70°C*
Ingress Protection	IP66
Material	Corrosion-free GRP
Output	112 dBA at 8W at 1 metre
Entries	2 x 20mm
Weight	1.5kg
Tappings	8-0.2* & 8ohm version
Options: Body colour, tag & duty labels, transformer voltage, earth continuity.	



Standard models. Available ex-stock.

*Model Dependent †Pending

Ordering Code	Power	Standard Product Configuration
804301	8 watts	Standard ATEX models have 100V line transformer, natural black GRP body, 2 x 20mm entry, one certified plug, no label.
804302	4 watts	

NEXT TWO
from
Loudspeakers



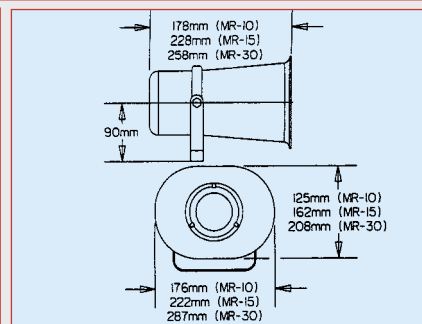
Loudspeakers for Industry, Leisure & Commerce

MR Range

10, 15 & 30 Watt Horn Speaker – Weatherproof



Operating Temperature	-20°C to +60°C
Ingress Protection	IP66
Material	ABS Plastic
Output	105-110 dBA at 1W at 1 metre
Entries	Gland & flying lead
Weight	1.1-1.6kg
Tappings	(30, 15), 10, 5, 3, 1
Options: BS5839, part 8 compliance, 8 ohm version (MR10 & MR15 only)	



Standard models. Available ex-stock.

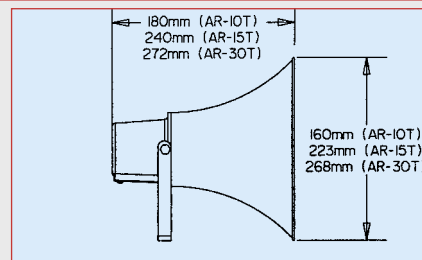
Ordering Code	Power	Standard Product Configuration
MR 10T	10 Watts	Standard models have 100V line transformer, stainless steel bracket, 1 x 20mm entries, gland & multicore 500mm flying lead, no labels.
MR 15T	15 Watts	
MR 30T	30 Watts	

AR Range

10, 15 & 30 Watt Horn Speaker – Weatherproof



Operating Temperature	-20°C to +60°C
Ingress Protection	IP66
Material	Aluminium
Output	106-109 dBA at 1W at 1 metre
Entries	1 x 16mm
Weight	1.0-2.2kg
Tappings	30-2.0 (model dependent)



Standard models. Available ex-stock.

Ordering Code	Power	Standard Product Configuration
AR 10T	10 Watts	Standard models have 100V line transformer, stainless steel bracket, 1 x 16mm entry (AR 10 comes with flying lead), no labels.
AR 15T	15 Watts	
AR 30T	30 Watts	

Download data sheets from www.medc.com

Speakers



from



Loudspeakers for Industry, Leisure & Commerce

Ceiling Speakers



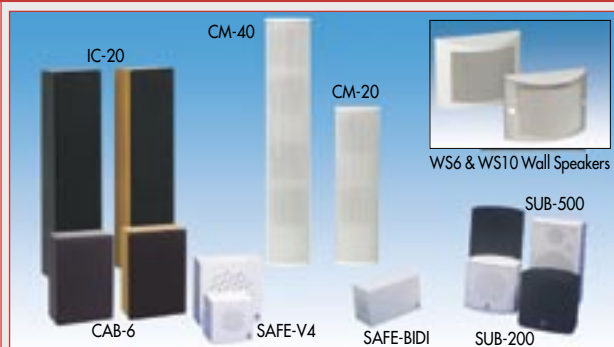
A range of ceiling speakers for use in VA/PA and background music systems. Versions include BS5839, part 8 compliant, weatherproof, coaxial and dual driver, 100V line or 8 ohm.

Spheres & Projectors



A range of spheres & projectors for use in VA/PA and background music systems. Versions include BS5839, part 8 compliant & weatherproof, 100V line or 8 ohm.

Cabinets & Columns



A range of cabinets & columns for use in VA/PA and background music systems. Options include anti-vandal, coaxial, bi-directional units, 100V line or 8 ohm.

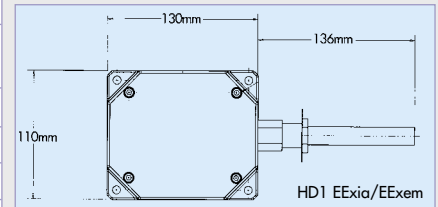
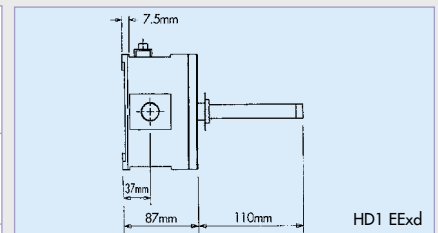
Detectors, Control & Distribution

HD1

Heat Detector – Explosionproof & Intrinsically Safe



Certification	ATEX, GOST 'R' & 'K', Chinese
Flameproof	ATEX Ex II 2G, EExd IIB T6
Increased Safety	ATEX Ex II 2G, EExem II T6
Intrinsically Safe	ATEX Ex II 1G, EExia IIC T6
Certified Ambient Temperature	-20°C to +125°C EExd (T3) ATEX/GOST 'R' -20°C to +55°C EExd (T6)/EExem -55°C to +55°C EExia
Ingress Protection	IP66 & 67
Material	Marine Grade Alloy (EExd) Corrosion-free GRP (EExia/EExem)
Temperature Settings	140°F to 725°F (60°C to 385°C)
Entries	2 x 20mm
Weight	1.1-2.0kg (model dependent)
Options: Enclosures, colour, tag and duty labels, temperature setting	

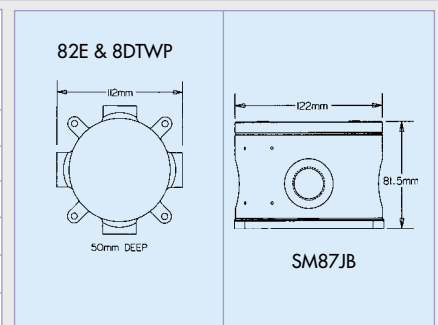


82E, 8DTWP, SM87JB

Cast Iron Junction Boxes Explosionproof



Certification	ATEX
Flameproof	ATEX Ex II 2G, EExd IIB/IIC T6
Increased Safety	ATEX Ex II 2G, EExe II T6
Certified Ambient Temperature	-20°C to +50°C
Ingress Protection	IP66 & 67
Material	Stainless Steel, Alloy or Cast Iron
Entries	Up to 4 x 20mm or 25mm
Weight	1.3-3.5kg (model dependent)
Options: Body colour, tag label, terminals	



Standard models. Available ex-stock.

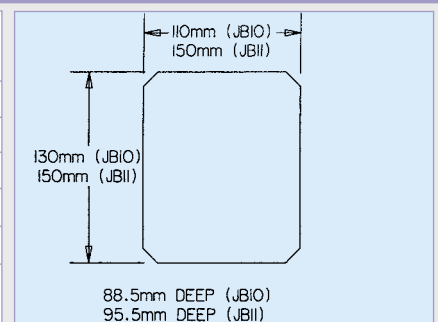
Certification	Ordering Code	Model	Standard Product Configuration
ATEX Ex II 2G	820005	82E	Standard models have BK6 terminals, 4 x 20mm entries, 1 per face, cast iron painted grey.
ATEX Ex II 2G	820010	SM87JB	

JB10 & JB11

GRP Junction Boxes – Explosionproof



Certification	ATEX cULus
Increased Safety	ATEX Ex II 2G, EExe(m) II T3, T4, T5 & T6
Certified Ambient Temperature	-55°C to +55°C (model dependent)
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 8 side/4 base entries
Weight	1.1kg-1.8kg approx
Options: Body colour, tag label, terminals, external earth, gland continuity, LED, stainless steel fittings, side cable entries, high temp. version (up to +125°C)	



Standard models. Available ex-stock.

Certification	Terminals	Ordering Code	Model	Standard Product Configuration
ATEX Ex II 2G	6 x SAK 2.5	810001	JB10	Standard models have earth terminal, gland continuity, 4 x M20 entries, 1 on each face, natural black finish.

Download data sheets from www.medc.com

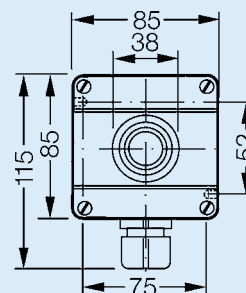
Detectors, Control & Distribution

GHG41181

Control Units – Explosionproof



Certification	ATEX Ex II 2GD, EExed IIC T6
Increased Safety	
Certified Ambient Temperature	-55°C to +55°C
Ingress Protection	IP65 & 66*
Material	Impact Resistant Thermo Plastic
Entries	1 x M20 Bottom entry as standard
Weight	Approx. 0.5kg (model dependant)
Options: Pushbuttons, emergency stop, padlockable, contact block, rotary switches & block, potentiometer, lamps	



Standard models. Available ex-stock. *Dependent on version

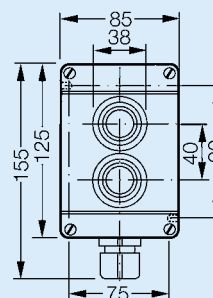
Certification	Description	Ordering Code	Standard Product Configuration
ATEX Ex II 2G	1 x Pushbutton Labels 1,0 Start Green	809102	Standard models are in natural black finish, no tag or duty labels, 1 x M20 entry.
ATEX Ex II 2G	Mushroom Head Latching Emergency Stop	809101	

GHG 41182

Control Units – Explosionproof



Certification	ATEX Ex II 2GD, EExed IIC T6
Increased Safety	
Certified Ambient Temperature	-55°C to +55°C
Ingress Protection	IP65 & 66*
Material	Impact Resistant Thermo Plastic
Entries	1 x M20 Bottom entry as standard
Weight	Approx. 0.5kg (model dependant)
Options: pushbuttons, emergency stop, contact block, padlockable, rotary switches & block, potentiometer, lamps	



Standard models. Available ex-stock. *Dependent on version

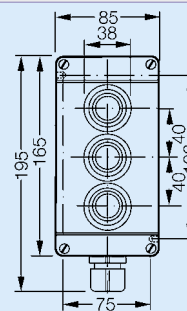
Certification	Description	Ordering Code	Standard Product Configuration
ATEX Ex II 2G	2 x Pushbuttons Labels 0,1 Start, Stop	809201	Standard models are in natural black finish, no tag or duty labels, 1 x M20 entry.
ATEX Ex II 2G	1 x Pushbutton Labels 1,0 Start Green, 1 x Mushroom Head Latching Emergency Stop	809202	

GHG 41183

Control Units – Explosionproof



Certification	ATEX Ex II 2GD, EExed IIC T6
Increased Safety	
Certified Ambient Temperature	-55°C to +55°C
Ingress Protection	IP65 & 66*
Material	Impact Resistant Thermo Plastic
Entries	1 x M20 Bottom entry as standard
Weight	Approx. 1.3kg (model dependant)
Options: pushbuttons, emergency stop, contact block, padlockable, rotary switches & block, potentiometer, lamps	



*Dependent on version

Detectors, Control & Distribution

GHG 74 & 44 Range Terminal Boxes & Control Units – Explosionproof



*Dependent on version

A range of GRP or 316 Stainless Steel Terminal Boxes and Control Units. The Control Units can be fitted with a variety of lamps, switches, pushbuttons and other accessories.

Certification		 ATEX 		
Increased Safety		ATEX Ex II 2GD, EExe II T4/T6*		
Ingress Protection		IP65/66*		
Material		Corrosion-free GRP or 316 Stainless Steel		
		Dimensions (mm):		
Box Type	Box Type	Width x Height x Depth*		
444 23	744 01	271	134	136
448 23	745 02	271	271	136
449 23	746 02	544	271	136
471 23	749 04	817	271	136
444 33	744 21	175	312.5	151
448 33	745 22	312.5	312.5	151
449 33	146 23	312.5	312.5	151
447 33	749 24	941.5	312.5	151

GP1, 2 & 3, G2, JL Range Control Units & Motor Starters – Explosionproof



GP1 & 3 / GP1 & 3S



GP2 & GP4



JL & JLS



G2 & G2S

A range of custom built control and motor starter units which can be used individually or combined to provide hazardous area systems for indoor or outdoor use.

Certification	ATEX		
Flameproof	ATEX Ex II 2G, EExd		
Ingress Protection	IP65 & 66		
Material	Cast iron, Stainless Steel or Alloy		
Dimensions (mm):	Width x Height x Depth		
GP1/GP1S	580	480	240
GP2/GP2S	480	275	243
GP3/GP3S	580	480	365
JL4/2/JL4/2S	305	265	150
JL4/3/JL4/3S	305	265	237
G2/G2S	156	257	175

Distribution Panels & Boards – Explosionproof



A range of custom built distribution systems utilising MEDC's expertise in hazardous area applications to ensure a safe and reliable solution to customer specifications.

Certification	ATEX
Flameproof	ATEX Ex II 2G, EExd IIB
Ingress Protection	IP66
Material	Cast iron enclosures

Download data sheets from www.medc.com

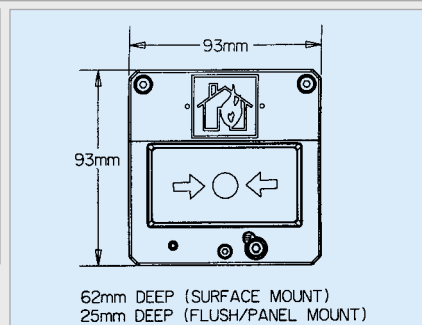
Heavy Duty, Industrial & Marine

BG3W

Break Glass Call Point – Weatherproof & Heavy Duty



Operating Temperature	-55°C to +55°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	2 x 20mm
Weight	0.5kg
Options: Body colour, LED, lift flap, series & EOL resistors, flush mounting, tag & duty labels.	



Standard model. Available ex-stock.

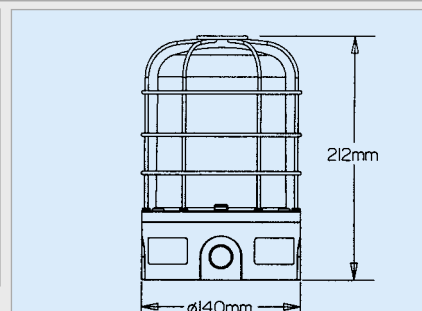
Ordering Code	Standard Product Configuration
800006	Standard models are surface mount version, have 2 x 20mm bottom entries, natural red GRP, single switch glass label 'Fire Break Glass Press Here', duty label 'Burning House'

XB13

10 Joule Flashing Xenon – Weatherproof & Heavy Duty



Operating Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP body Polycarbonate lens
Entries	Up to 3 x 20mm via knockouts
Weight	1.1kg
Options: Body & lens colour, tag & duty labels, lens guard, telephone & relay initiate, single & dual flash mode, voltages 12-24V d.c., 115-230V a.c.	



Standard models. Available ex-stock.

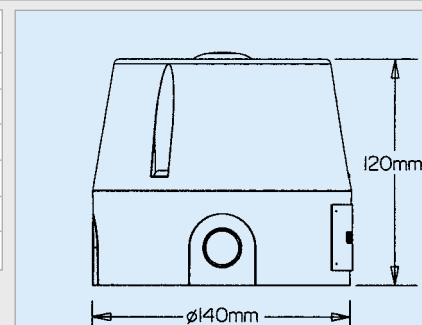
Voltage	Lens Colour	Ordering Code	Standard Product Configuration
24V d.c.	Red	813101	Standard models are in natural red body colour, no tag or duty labels, no lens guard, 3 x 20mm entries via knockouts, 60 flashes per minute (single flash mode), dual & single flash modes.
24V d.c.	Amber	813102	
230V a.c.	Red	813103	

DB12

110dB(A) Sounder – Weatherproof & Heavy Duty



Operating Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 3 x 20mm via knockouts
Weight	1kg
No. of Tones	27 + 5 programmable
Options: Body colour, tag & duty labels, voltages 12V & 24V d.c.	



Standard models. Available ex-stock.

Voltage	Alarm Type	Ordering Code	Standard Product Configuration
24V d.c.	Two Stage	808001	Standard model has 27 tones, natural red body colour, no tag or duty labels, 3 x 20mm entries via knockouts.
115/230V a.c.	Single Stage	808003	

Heavy Duty, Industrial & Marine

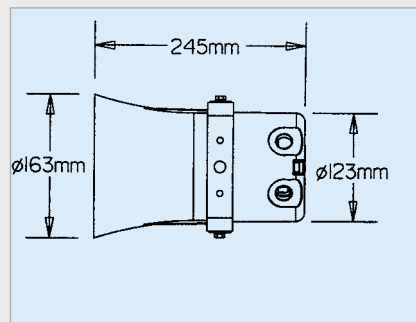
DB15

117dB(A) Sounder – Weatherproof & Heavy Duty



Operating Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Entries	2 x 20mm
Weight	2.6kg
No. of Tones	27 + 5 programmable
Options: Body colour, tag & duty labels, two stage alarm (DB15P) version, earth continuity, EOL resistor, voltages 12-48V d.c., *110-254V a.c.	

*Not available in a.c. version for DB15P.



Standard models. Available ex-stock.

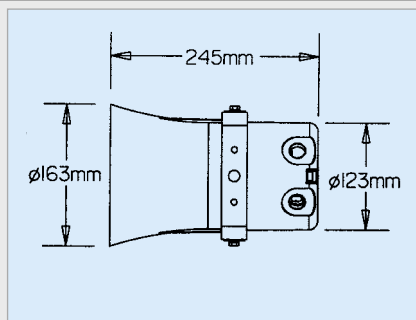
Voltage	Body Colour	Alarm Type	Ordering Code	Standard Product Configuration
24-48V d.c.	Natural Grey to RAL 7035	Two stage	808110	Standard model has 27 tones, 2 x 20mm entries.
24-48V d.c.	Red	Two stage	808115	
240V a.c.	Natural Grey to RAL 7035	Single stage	808120	
240V a.c.	Red	Single stage	808125	

DB14

15 Watt Speaker – Weatherproof & Heavy Duty



Ambient Operating Temperature	-55°C to +70°C
Ingress Protection	IP66 & 67
Material	Corrosion-free GRP
Output	107 dBA at 1W at 1 metre 117 dBA at 15W at 1 metre
Entries	2 x 20mm
Weight	2.6kg
Tappings	15, 7.5, 5, 4, 2, 0.8
Options: Body colour, tag & duty labels, transformer voltage, BS 5839, part 8 compliance, earth continuity	



Standard models. Available ex-stock.

Ordering Code	Standard Product Configuration
808010	Standard model has 100V line transformer, natural grey GRP body to RAL 7035, 2 x 20mm entries, no labels.

Beacon/Sounder Combination Units

Weatherproof & Heavy Duty



A range of combination units that can be constructed from MEDC sounders, beacons and other equipment.

For more information, download from www.medc.com, request data sheet 6DS104 or contact the sales office.



Download data sheets from www.medc.com

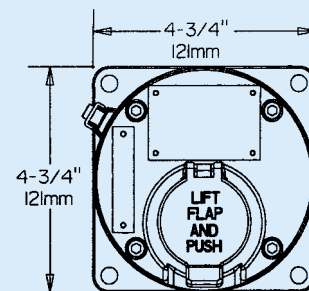
North American Certified Products

SM87 PBLAUL

Push Button Fire Alarm Call Point – Explosionproof



Certification UL Listed for:	UL ATEX Class I, Div 1, Groups C & D, Class I, Zone 1
Certified Ambient Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Marine Grade Alloy
Entries	Up to 4 x 1/2" or 3/4" NPT
Weight	5.5lb/2.5kg
Options: Body colour, tag & duty labels, LED, series or EOL resistor, diode, addressable module, certification	



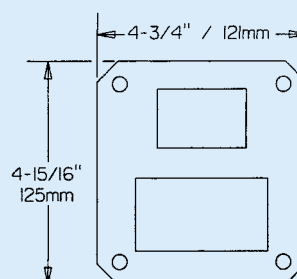
5-3/16" / 132mm DEEP

BGUL

Break Glass Fire Alarm Call Point – Hazardous Locations



Certification UL Listed for:	UL ATEX Class I, Div 2, Groups A-D, Class I, Zone 2 Class II, Div 2, Groups F & G
Certified Ambient Temperature	-13°F to +131°F -25°C to +55°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 4 x 1/2" NPT
Weight	2.6lb/1.2kg
Options: Body colour, tag & duty labels, LED, lifflap, series or EOL resistor, plastic element, changeover switch, certification	



2-15/16" / 75mm DEEP

Standard models. Available ex-stock.

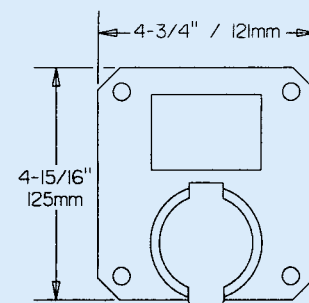
Certification	Ordering Code	Standard Product Configuration
UL Listed, Class I, Div 2, Groups A-D	860001	Standard models have 2 x 1/2" NPT bottom entries, painted red GRP, single switch glass label "Fire Break Glass Press Here".

PBUL

Push Button Fire Alarm Call Point – Hazardous Locations



Certification UL Listed for:	UL ATEX Class I, Div 2, Groups A-D, Class I, Zone 2 Class II, Div 2, Groups F & G
Certified Ambient Temperature	-13°F to +158°F -25°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 4 x 1/2" NPT
Weight	2.6lb/1.2kg
Options: Body colour, tag & duty labels, LED, series or EOL resistor, changeover switch, certification	



4-1/2" / 114mm DEEP

Standard models. Available ex-stock.

Certification	Ordering Code	Standard Product Configuration
UL Listed, Class I, Div 2, Groups A-D	860005	Standard models have 2 x 1/2" NPT bottom entries, painted red GRP, push button.

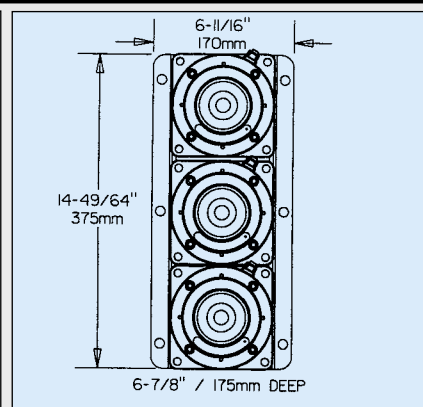
North American Certified Products

SM87 SLUL

Xenon, Filament & Fluorescent Status Lights – Explosionproof



Certification UL Listed for:	ATEX Class I, Div 1, Groups C & D, Class I, Zone 1, AExd IIB T4
Certified Ambient Temperature	-13°F to +131°F -25°C to +55°C*
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Alloy
Entries	Up to 3 x 1/2" or 3/4" NPT
Max. No. of Ways	4
Options: Body & lens colour, tag & duty labels, certification, voltages 24-48V d.c., 110-254V a.c.	



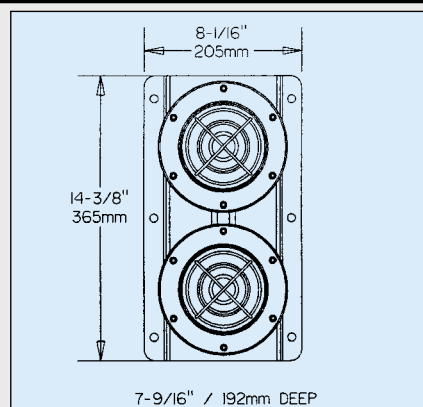
*Model dependant, refer to data sheet.

XB11 SLUL

Xenon & Filament Status Lights – Hazardous Locations



Certification UL Listed for:	ATEX Class I, Div 2, Groups C & D, Class 1, Zones 1 & 2, AExd IIB T4
Certified Ambient Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
Entries	1 x 1/2" NPT
Max. No. of Ways	5
Options: Body & lens colour, tag & duty labels.	

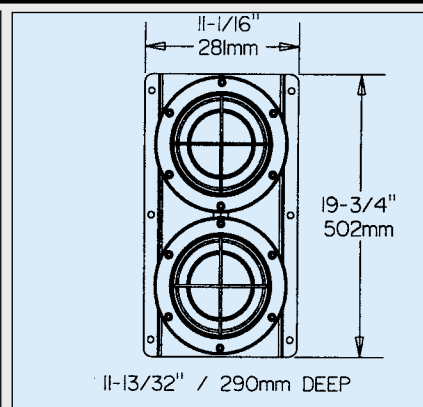


XB12 SLUL

Xenon & Filament Status Lights – Hazardous Locations



Certification UL Listed for:	ATEX Class I, Div 2, Groups C & D, Class I, Zones 1 & 2, AExd IIB T4
Certified Ambient Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
Entries	1 x 1/2" NPT
Max. No. of Ways	5
Options: Body & lens colour, tag & duty labels, certification, voltages 24V d.c., 110-254V a.c.	



Download data sheets from www.medc.com

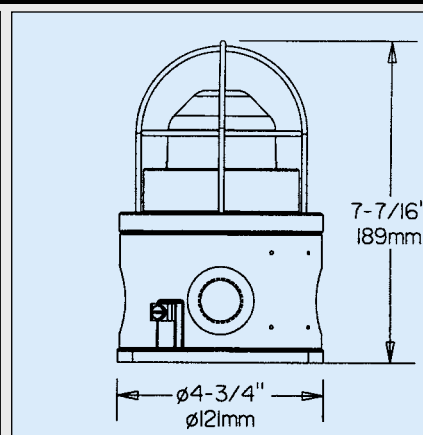
North American Certified Products

SM87 HXB

5 Joule Xenon Strobe – Explosionproof



Certification UL Listed for:	cULus ATEX Class I, Div 1, Groups C & D, Class I, Zone 1, AExd IIB
Certified Ambient Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Alloy
Entries	Up to 2 x 1/2" or 3/4" NPT
Weight	4.4lb/2.0kg approx
Options: Body & lens colour, tag & duty labels, certification, lens guard, flash rate, voltages 24-48V d.c., 110-254V a.c., high temp version up to 185°F/85°C	



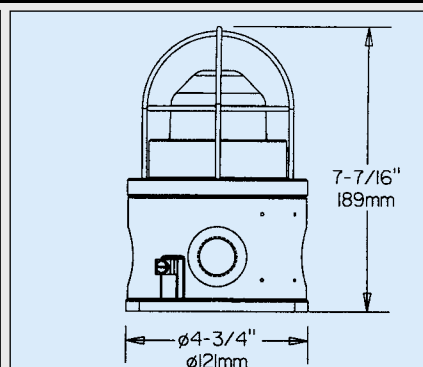
Standard models stocked in U.S. - contact sales office.

SM87 HXBT

5 Joule High Temperature Xenon Strobe – Explosionproof



Certification UL Listed for:	ATEX Class I, Div 1, Groups C & D, Class I, Zone 1, AExd IIB
Certified Ambient Temperature	-67°F to +185°F -55°C to +85°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Alloy
Entries	Up to 4 x 1/2" or 3/4" NPT
Weight	4.4lb/2.0kg
Options: Body & lens colour, tag & duty labels, lens guard, flash rate, voltage 24V d.c., 110V a.c.	

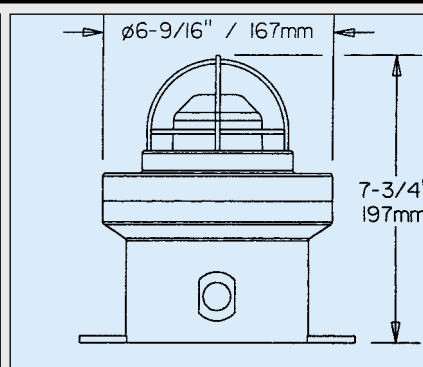


XB11 UL

5 Joule Xenon Strobe – Hazardous Locations



Certification UL Listed for:	cULus ATEX Class I, Div 2, Groups C & D, Class I, Zones 1 & 2, AExd IIB T5
Certified Ambient Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
Entries	2 x 1/2" NPT
Weight	2.6lb/1.2kg
Options: Body & lens colour, tag & duty labels, lens guard, flash rate, certification, mounting method. voltages 24V d.c., 110-254V a.c.,	



Standard models. Available ex-stock.

Certification	Voltage	Body Colour	Lens Colour	Ordering Code	Standard Product Configuration
UL Listed, Class I, Div 2, Groups C & D	24V d.c.	Red	Red	867001	Standard models have no tag or duty labels, 2 x 1/2" NPT entries, 60 flashes per minute.
UL Listed, Class I, Div 2, Groups C & D	24V d.c.	Red	Amber	867002	
UL Listed, Class I, Div 2, Groups C & D	110V a.c.	Red	Red	867005	
UL Listed, Class I, Div 2, Groups C & D	110V a.c.	Red	Amber	867006	

North American Certified Products

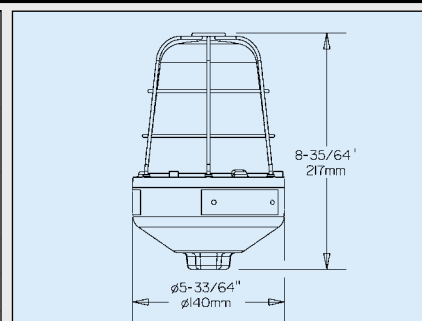
XB16

10 Joule Flashing Xenon – Hazardous & Ordinary Locations



Certification UL Listed for:	cUL _{us} UL 1971 compliant Class I, Div 2, Groups A-D Class II, Div 2, Groups F & G
Certified Ambient Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
Entries	Standard 1 x 1/2" NPT
Weight	2.2lb/1 kg

Options: Body & lens colour, lens guard, tag & duty labels, initiation options, flash rate, voltages 12-48V d.c., 110-254V a.c.



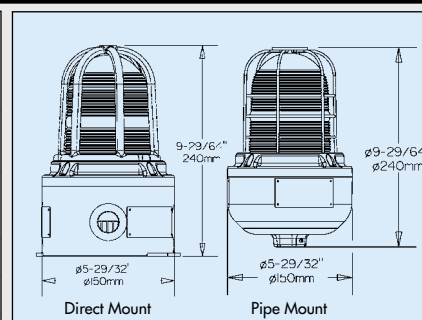
XB15

15 Joule Flashing Xenon – Hazardous & Ordinary Locations



Certification UL Listed for:	cUL _{us} ATEX Class I, Div 2, Groups A-D, Class I, Zones 1 & 2, AExd IIC T5/T6
Certified Ambient Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 3 x 1/2" NPT or 3 x 3/4" NPT
Weight	6-8lb/2.6-3kg

Options: Body & lens colour, relay initiate, flash rate, voltages 12-48V d.c., 110-254V a.c.



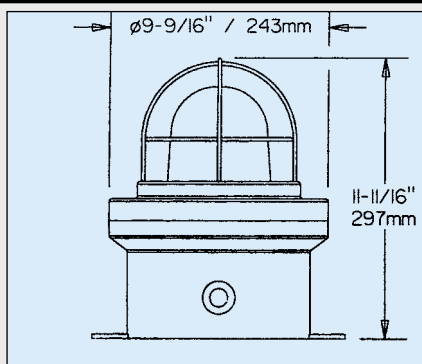
XB12 UL

21 Joule Xenon Strobe – Hazardous Locations



Certification UL Listed for:	cUL _{us} ATEX Class I, Div 2, Groups C & D, Class I, Zones 1 & 2, AExd IIB T4
Certified Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 4 x 1/2" NPT
Weight	15.5lb/7.0kg

Options: Body & lens colour, tag & duty labels, lens guard, flash rate, certification, mounting method voltages 24V d.c., 110-254V a.c.



Standard models. Available ex-stock.

Certification	Voltage	Lens Colour	Ordering Code	Standard Product Configuration
UL Listed, Class I, Div 2, Groups C & D	24V d.c.	Red	869001	Standard models are in red painted GRP, no tag or duty labels, 2 x 1/2" NPT, 60 flashes per minute.

Download data sheets from www.medc.com

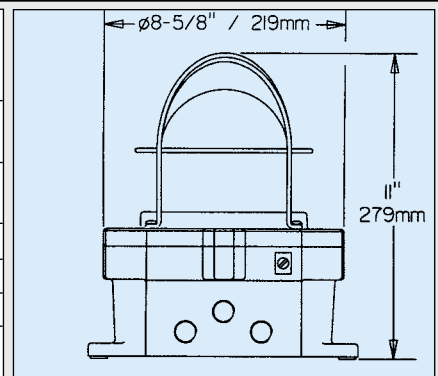
North American Certified Products

XB4 UL

21 Joule Xenon Strobe – Explosionproof



Certification UL Listed for:	ATEX Class I, Div 1, Groups C & D, Class I, Zone 1, AExd IIB T4
Certified Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Alloy
Entries	Up to 3 x 1/2" or 3/4" NPT
Weight	14.5lb/6.6kg
Options: Body & lens colour, tag & duty labels, lens guard, flash rate, certification, voltages 24V d.c., 110V & 240V a.c.	

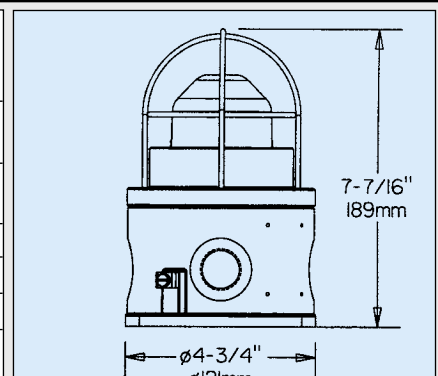


SM87 LU3 UL

10 Watt Steady Filament Light – Explosionproof



Certification UL Listed for:	ATEX Class I, Div 1, Groups C & D, Class I, Zone 1, AExd IIB
Certified Temperature	-67°F to +131°F -55°C to +55°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Alloy
Entries	2 x 1/2" or 3/4" NPT
Weight	4.4lb/2.0kg
Options: Body & lens colour, tag & duty labels, lens guard, certification, voltages 12-48V d.c., 110V-254V a.c.	

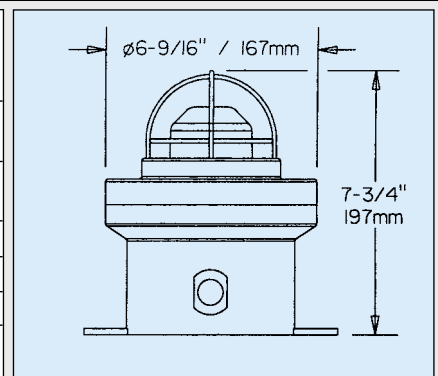


FB11 UL

10 Watt Steady Filament Light – Hazardous Locations



Certification UL Listed for:	ATEX Class I, Div 2, Groups C & D, Class I, Zone 1, AExd IIB T4/T5
Certified Temperature	-67°F to +131°F -55°C to +55°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 2 x 1/2" NPT
Weight	6.2lb/2.8kg
Options: Body & lens colour, tag & duty labels, lens guard, mounting method, certification, voltage 24, 48V d.c., 110 – 120V a.c.	

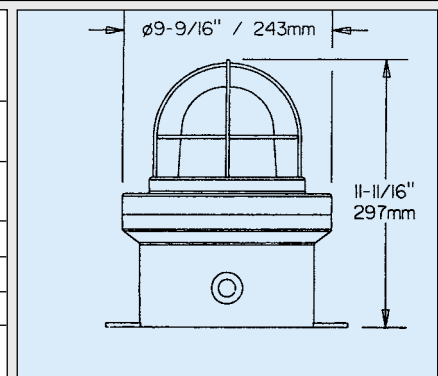


FB12 UL

60 Watt Steady Filament Light – Hazardous Locations



Certification UL Listed for:	ATEX Class I, Div 2, Groups C & D, Class I, Zone 1, AExd IIB T4/T5
Certified Temperature	-67°F to +131°F -55°C to +55°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 2 x 1/2" NPT
Weight	2.6lb/1.2kg
Options: Body & lens colour, tag & duty labels, lens guard, mounting method, certification, voltage 120V a.c.	

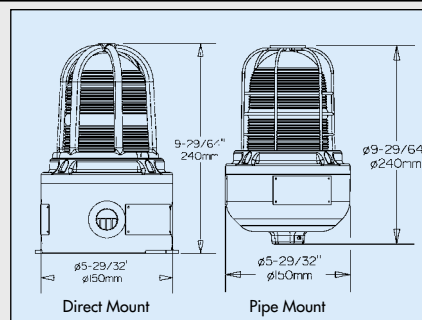


North American Certified Products

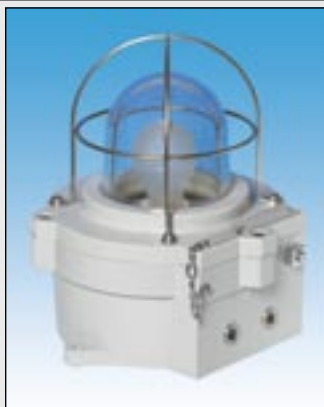
FB15 60W/100W Steady Filament Light – Hazardous & Ordinary Locations



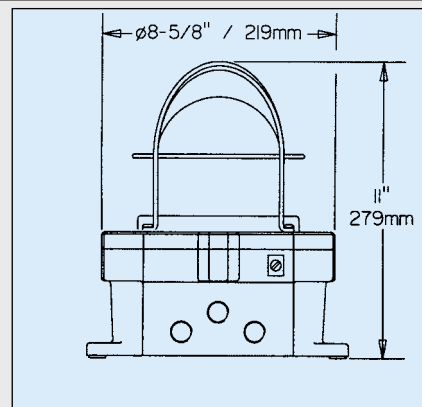
Certification UL Listed for:	cUL _{us} ATEX Class I, Div 2, Groups A-D, Class I, Zone 1, AExd IIC T3/T4
Certified Ambient Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 3 x 1/2" NPT or 3 x 3/4" NPT
Weight	6-8lb/2.6-3kg
Options: Body & lens colour, lens guard, tag & duty labels, lamp wattage, unit fixing, mounting method, voltages 12-48V d.c., 110-254V a.c.	



FB4 UL 100 Watt Steady Filament Light – Explosionproof



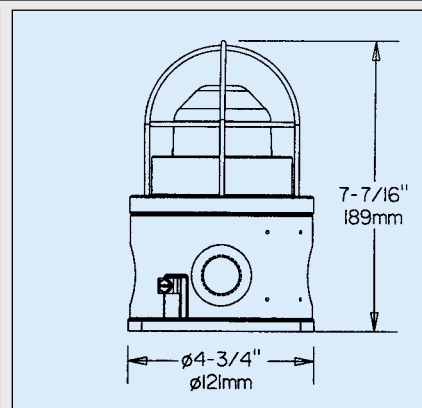
Certification UL Listed for:	cUL _{us} ATEX Class I, Div 1, Groups C & D, Class I, Zone 1, AExd IIB T4
Certified Temperature	-67°F to +131°F -55°C to +55°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Alloy
Entries	Up to 3 x 1/2" or 2 x 3/4" NPT
Weight	13lb/6.4kg
Options: Body & lens colour, tag & duty labels, lens guard, relay initiate, certification, voltage 110-254V a.c. only	



SM87 LU1 UL 10 Watt Steady Fluorescent Light – Explosionproof



Certification UL Listed for:	cUL _{us} ATEX Class I, Div 1, Groups C & D, Class I, Zone 1, AExd IIB
Certified Temperature	-67°F to +131°F -55°C to +55°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Alloy
Entries	2 x 1/2" or 3/4" NPT
Weight	4.4lb/2.0kg
Options: Body & lens colour, tag & duty labels, lens guard, certification, voltages 12-48V d.c., 120V-254V a.c.	



Download data sheets from www.medc.com

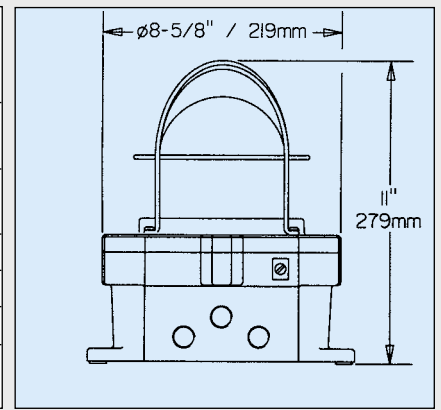
North American Certified Products

FL4 UL

13-39 Watt Steady Fluorescent Light – Explosionproof



Certification UL Listed for:	ATEX Class I, Div 1, Groups C & D, Class I, Zone 1, AExd IIC T5
Certified Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Alloy
Entries	Up to 3 x 1/2" NPT or 2 x 3/4" NPT
Weight	14.5lb/6.6kg
Options: Body & lens colour, tag & duty labels, lens guard, relay initiate, certification, voltages 24V d.c., 110V, 240V a.c.	

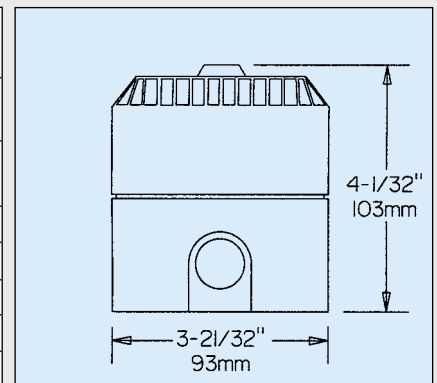


DB5 FM

Up to 93dB(A) @ 10ft Horn – Intrinsically Safe



Certification FM Approved for:	ATEX Class I, Div 1 & 2, Groups A-D
Certified Temperature	-4°F to +131°F -20°C to +55°C
Ingress Protection	NEMA 4 IP65
Material	Corrosion-free ABS
Entries	Up to 2 x 13/16" via knockouts
Weight	0.7lb/0.3kg
No. of Tones	26
Options: Body colour, label, certification, voltages 12V-24V d.c.	



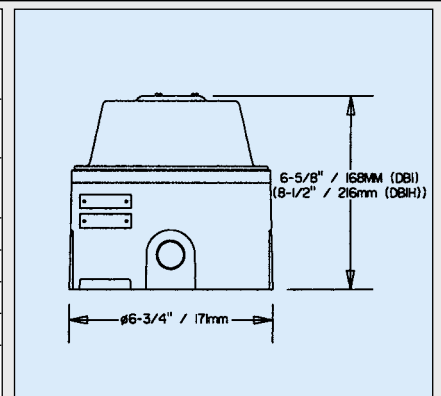
Standard models stocked in U.S. – contact sales office.

DB1 UL

103dB(A) @ 10ft Horn – Explosionproof



Certification UL Listed for:	ATEX Class I, Div 1, Groups C & D, Class I, Zone 1
Certified Temperature	-13°F to +158°F -25°C to +70°C
Ingress Protection	NEMA 4x IP66
Material	Alloy
Entries	Up to 3 x 1/2" or 3/4" NPT
Weight	7.7lb/3.5kg (model dependent)
No. of Tones	27 + 5 Programmable
Options: Body colour, tag & duty labels, certification, voltages 12-48V d.c., 110V a.c.	

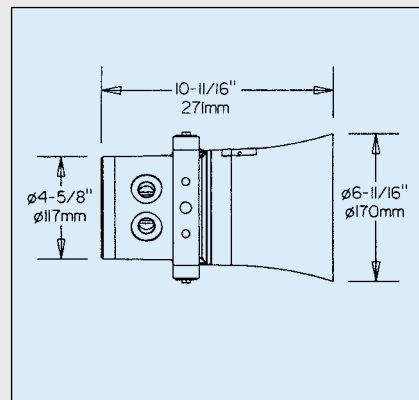


Standard models stocked in U.S. – contact sales office.

North American Certified Products

DB3 UL
108dB(A) @ 10ft Horn – Hazardous Locations

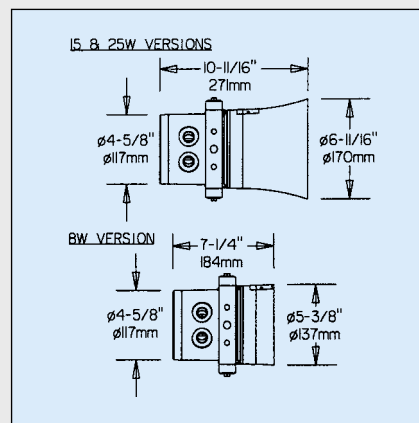

Certification UL Listed for:	cULus ATEX Class I, Div 2, Groups A-D, Class II, Div 2, Groups F & G Class I, Zones 1 & 2, AExd IIC T4
Certified Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP65 & 67
Material	Corrosion-free GRP
Entries	Up to 2 x 1/2" NPT
Weight	13.2lb/6.0kg
No. of Tones	27 + 5 Programmable
Options: Body colour, tag & duty labels, end of line resistor, certification, voltages 12-48V d.c., 110V-254V a.c.	


Standard models. Available ex-stock.

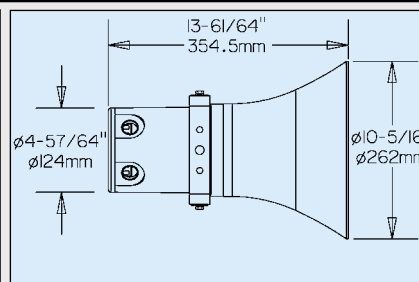
Certification	Voltage	Alarm Type	Ordering Code	Standard Product Configuration
UL Listed for Class I Div 2, Groups A-D	12-48V d.c.	Single Stage	863011	Standard model has 27 tones, painted red GRP body colour, no tag or duty labels, 2 x 1/2" NPT entries with certified plug.
UL Listed for Class I Div 2, Groups A-D	110V a.c.	Single Stage	863015	

DB4 UL
8-25 Watt Speaker – Hazardous Locations


Certification UL Listed for:	cULus ATEX Class I, Div 2, Groups A-D, Class I, Zone 1, AExd IIC T4
Certified Temperature	-67°F to +158°F -55°C to +70°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
Output	97 dBA at 1W at 10 feet 109 dBA at 25W at 10 feet
Entries	Up to 2 x 1/2" NPT
Weight	11lb/5.0kg
Options: Body colour, tag & duty labels, transformer, certification, power 25W, 15W, 8W	


DB16
30 Watt Speaker – Hazardous & Ordinary Locations


Certification UL Listed for:	cULus ATEX Class I, Div 2, Groups C & D/A-D Class I, Zone 1, AExde IIB T3/IIC T1 10°C
Certified Ambient Temperature	-61°F to +90°F -50°C to +40°C
Ingress Protection	NEMA 4x & 6 IP66 & 67
Material	Corrosion-free GRP
*Output	Groups C & D: 100dBA at 1Watt at 10 feet 112dBA at 30 Watts at 10 feet Groups A-D: 3dBA less than C & D versions
Entries	Up to 2 x 1/2" NPT or 2 x 3/4" NPT
Weight	12.1lb/5.5kg
Tappings @ 30 Watts	30, 25, 12, 6, 4, 2
Options: Body colour, transformer, tag & duty labels.	



*See data sheet for additional output.

Download data sheets from www.medc.com

North American Certified Products

Beacon/Sounder Combination Units – Explosionproof & Hazardous Locations



A range of combination units that can be constructed from MEDC sounders, beacons and other equipment.

For more information, request data sheet 6DS104.



Note: Examples only – actual arrangements may vary (contact sales office)

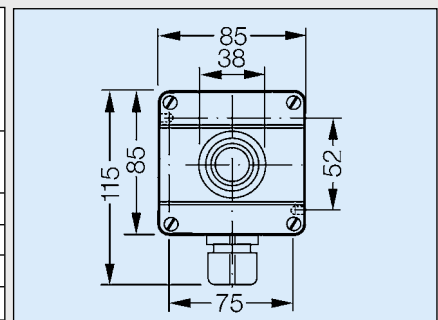


GHG41181

Control Units – Hazardous Locations



Certification UL Listed for:	cUL _{us} ATEX Class I, Div 2, Groups A-D Class I, Zone 1, AExde IIB+H ₂ T6 Class II, Div 1, Groups E,F&G(cUL)
Certified Temperature	-67°F to +131°F* -55°C to +55°C*
Ingress Protection	NEMA 4x & 6, IP65 & 66
Material	Impact Resistant Thermo Plastic
Entries	1 x 1/2" NPT as standard
Weight	0.5kg - 1.3kg
Options: pushbuttons, emergency stop, padlockable, contact block, rotary switches & block, potentiometer, lamps	



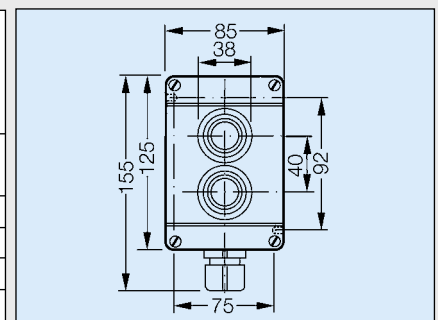
Standard models stocked in U.S. – contact sales office. * Model dependent

GHG 41182

Control Units – Hazardous Locations



Certification UL Listed for:	cUL _{us} ATEX Class I, Div 2, Groups A-D Class I, Zone 1, AExde IIB+H ₂ T6 Class II, Div 1, Groups E,F&G(cUL)
Certified Temperature	-67°F to +131°F* -55°C to +55°C*
Ingress Protection	NEMA 4x & 6, IP65 & 66
Material	Impact Resistant Thermo Plastic
Entries	1 x 1/2" NPT as standard
Weight	0.5kg - 1.3kg
Options: pushbuttons, emergency stop, padlockable, contact block, rotary switches & block, potentiometer, lamps	



Standard models stocked in U.S. – contact sales office. * Model dependent

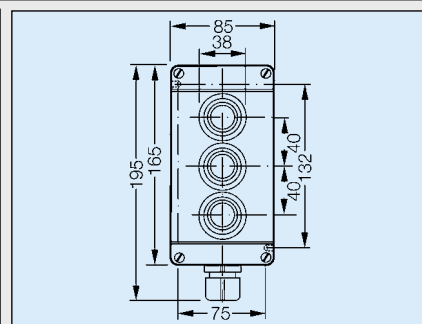
North American Certified Products

GHG 41183

Control Units – Hazardous Locations



Certification UL Listed for:	cULus Ex ATEX Class I, Div 2, Groups A-D Class I, Zone 1, AExde IIB+H ₂ T ₆ Class II, Div 1, Groups E,F&G(cUL)
Certified Temperature	-67°F to +131°F* -55°C to +55°C*
Ingress Protection	NEMA 4x & 6, IP65 & 66*
Material	Impact Resistant Thermo Plastic
Entries	1 x 1/2" NPT as standard
Weight	0.5kg - 1.3kg
Options: pushbuttons, emergency stop, padlockable, contact block, rotary switches & block, potentiometer, lamps	



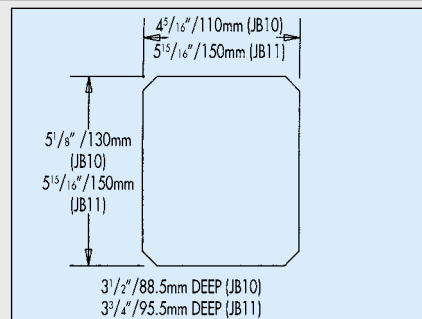
Standard models stocked in U.S. – contact sales office. *Model dependent

JB10 & JB11

GRP Junction Boxes – Explosionproof



Certification UL Listed for	cULus Ex ATEX Class I, Div 2, Groups A-D Class I, Zone 1, AExe IIC T4 & T5
Certified Ambient Temperature	-67°F to +131°F -55°C to +55°C
Ingress Protection	NEMA 4x & 6, IP66 & 67
Material	Corrosion-free GRP
Entries	Up to 8 entries (model dependent)
Weight	2.4-4lbs/1.1kg-1.8kg
Options: Body colour, tag label, gland continuity, extra internal earth, terminal type	



GHG 74 & 44

Terminal Boxes & Control Units – Hazardous Locations



A range of GRP Terminal Boxes and Control Units. The Control Units can be fitted with a variety of lamps, switches, pushbuttons and other accessories.

Certification		Ex ATEX cULus		
Increased Safety		Class I, Div 2, Groups A-D Class I, Zone 1, Groups A-D Class II, Div 1, Groups E, F & G AExde IIC T4, T6*		
Ingress Protection		IP65/66*		
Material		Corrosion-free GRP or 316 Stainless Steel		
		Dimensions (mm):		
Box Type	Box Type	Width x Height x Depth*		
444 23	744 01	271	134	136
448 23	745 02	271	271	136
449 23	746 02	544	271	136
471 23	749 04	817	271	136
444 33	744 21	175	312.5	151
448 33	745 22	312.5	312.5	151
449 33	146 23	312.5	312.5	151
447 33	749 24	941.5	312.5	151

*Model dependent

All specifications, dimensions, weights and tolerances are nominal (typical) and MEDC reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.

Download data sheets from www.medc.com

HAZARDOUS AREA GUIDE

This information is intended as a guide only and further expert guidance should be sought before placing into service, maintaining or repairing any item of equipment in a Potentially Explosive Atmosphere.

Definition

Potentially Explosive Atmospheres exist where there is a risk of explosion due to mixtures of gas/air, vapour/air, dust/air or other flammable combinations. Where electrical equipment has to be used in these areas, it must be so designed and constructed such that it does not create sources of ignition capable of igniting these mixtures.

Area Classification

Process plants are divided into Zones (European and IEC method) or Divisions (North American method) according to the likelihood of a Potentially Explosive Atmosphere being present.

Note : North American legislation now allows Zones to be used to classify areas, where this practice is used it follows the IEC Zone method.

European & IEC Classification	Definition of zone or division	North American Classification
Zone 0 (gases) Zone 20 (dusts)	An area in which an explosive mixture is continuously present or present for long periods	Class I Division 1 (gases) Class II Division 1 (dusts)
Zone 1 (gases) Zone 21 (dusts)	An area in which an explosive mixture is likely to occur in normal operation	Class I Division 1 (gases) Class II Division 1 (dusts)
Zone 2 (gases) Zone 22 (dusts)	An area in which an explosive mixture is not likely to occur in normal operation and if it occurs it will exist only for a short time	Class I Division 2 (gases) Class II Division 2 (dusts) Class III Division 1 (fibres) Class III Division 2 (fibres)

Gas Groups, dusts and fibres

There are two main gas groups, Group I – Mining only and Group II – Surface Industries.

These categories are used in European and I.E.C. groupings.

Group I is concerned only with underground mining where methane and coal dust are present.

Group II gases occurring in surface industries, are sub-grouped according to their volatility. This enables electrical equipment to be designed to less onerous tolerances if it is to be used with the least volatile gases.

Typical gas/ material	European/I.E.C. Gas Group	North American Gas Group
Methane	I	-
Acetylene	IIC	A
Hydrogen	IIC	B
Ethylene	IIB	C
Propane	IIA	D
Metal dust	-	E
Coal dust	-	F
Grain dust	-	G

Temperature

To guard against hot surfaces igniting gases, all electrical equipment intended for use in Potentially Explosive Atmospheres is classified according to the maximum surface temperature it will reach in service (normally based on a surrounding ambient temperature of 40°C (102°F)).

Temperature Classification		Maximum Surface Temperature
European/I.E.C.	North American	
T1	T1	450° C
T2	T2	300° C
	T2A	280° C
	T2B	260° C
	T2C	230° C
	T2D	215° C
T3	T3	200° C
	T3A	180° C
	T3B	165° C
	T3C	160° C
T4	T4	135° C
	T4A	120° C
T5	T5	100° C
T6	T6	85° C

ATEX

After 1st July 2003, the ATEX directive came into force and is a mandatory requirement for all equipment intended for use in Potentially Explosive Atmospheres within the E.U. All relevant MEDC equipment will be covered by the date it comes into force and many are already certified.

It should be noted also that **MECHANICAL** equipment is covered by the ATEX directive so for the first time items such as gearboxes will have to carry ATEX certification.

The equipment coding will be as the current practice plus an additional code as follows:

ExII2GD i.e.

Ex – Explosionproof in accordance with ATEX.

II – Group II surface industries

2 – Category 2 equipment (suitable for use in Zone 1) note: Category 1 is suitable for Zone 0.
Category 3 is suitable for Zone 2.

G – suitable for atmospheres containing gas

D – suitable for atmospheres containing dust

Equipment will be CE marked when certified to ATEX.

For more information about hazardous areas, download guide from www.medc.com