Ex-tech®
SIGNALLING

Ex-Tech Signalling
Product Catalogue



Made in UK

About Ex-tech Signalling

Ex-tech Signalling manufactures ATEX/IECEx compliant signalling products in a specialist facility near Plymouth, UK to exact build quality and standards.

We don’t resell – we Manufacture in the UK

Serving global markets, we are in control of the entire design process, material selection, assembly, testing and certification of every product.

And as part of the Pioneer Safety Group, our customers can rest assured our high performance products are built to last and are fit for purpose in any hazardous area location or other industrial or marine application.

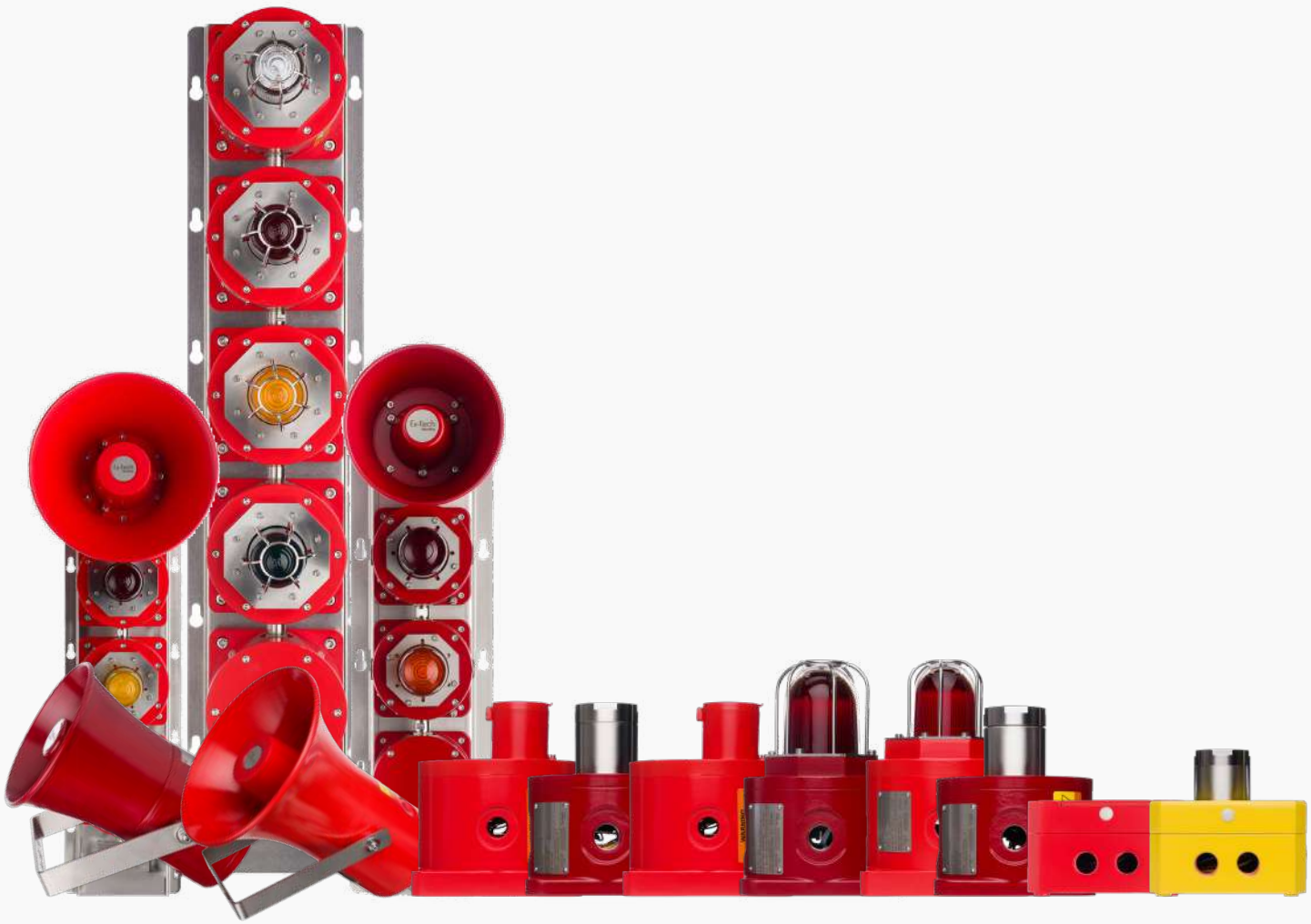


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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

BC 125 EX beacon / light



The BC125 flameproof beacon is ATEX IECEx Certified for use in potentially explosive atmospheres, helping to signal alarms, alerting personnel to potential dangers or signal the need for immediate action in emergency situations. The BC125 can also be used as part of a status light array.

ATEX / IECEx Certification: ATEX Zone 1 & 2 for gas and Zone 21 & 22 for dust/powder

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

Key features: Robust and highly reliable, it is designed for corrosive environments and hazardous areas. Housing is made of stainless steel 316L covered with UV resistant paint and the lens is made of borosilicate glass available with a 316L stainless steel lens guard option.

Options: This beacon can be delivered with two different light sources;

- LED with steady, rotary or flashing options of different intensity.
- Flashing with XENON tube of different intensity.
- Four flashing frequencies are selectable.

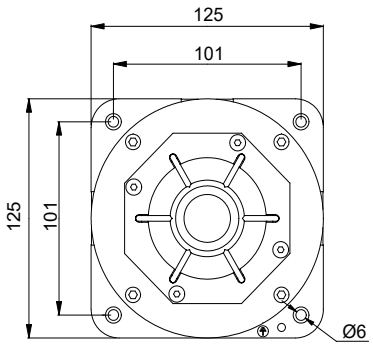
A range of accessories is available to customise this product. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.

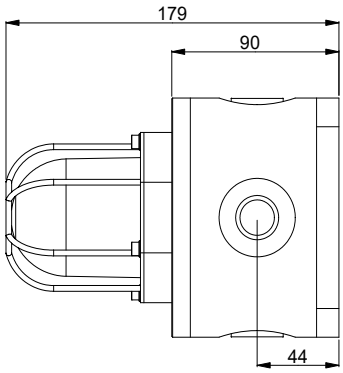












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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

BC 125 EX beacon / light

MATERIAL	• **Enclosure:** Stainless steel 316L • **Lens:** Tempered borosilicate glass 3.3					
HOUSING COLOUR	• RED : RAL3001	• YELLOW : RAL1018	• BLUE : RAL5005			
	• BLACK : RAL9005	• GREEN : RAL6032	• GREY : RAL7038			
	• ORANGE : RAL2010					
INGRESS PROTECTION	• IP66/67					
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C					
CERTIFICATION	• **Presafe** 16 ATEX 8967X, IECEX PRE 16.0087X					
EX CODE	• II 2 GD Ex db IIC T4 ~ T6 Gb					
	• Ex tb IIIC T135°C ~T85°C Db					
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31					
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22					
CANDELA LENS COLOUR	• Red: 0.15 • Amber: 0.51 • Blue: 0.12 • Green: 0.49 • Yellow: 0.85 • Clear: 1					
LIGHT TYPE	**Flash tube (XENON)**			**LED**		
TRUE LIGHT INTENSITY	• **5 joules** = 109 Cd	• **10 joules** = 293 Cd		• **5 W** = 128 Cd	• **10W** = 312 Cd	
	• **15 joules** = 395 Cd	• **21 joules** = 424 Cd				
PEAK LIGHT INTENSITY	• **5 joules** = 35970 Cd	• **10 joules** = 66804 Cd				
	• **15 joules** = 83345 Cd	• **21 joules** = 95824 Cd				
LIFETIME	• Emissions are reduced to 70% after 8 million flashes			• >50 000 hours without luminosity decreasing		
BLINKING OR ROTARY FREQUENCY (0 = steady status)	• 60/80/120 times/min			• 60/75/0 times/min		
	• 100/120/150 times/min			• 60/75/1 00 times/min		
	• 120/150/180 times/min			• 75/95/0 times/min		
	• 75/95/120 times/min					
CONSUMPTION	• **5 joules** = 10W	• **10 joules** = 15W		• **5W**	• **10W**	
	• **15 joules** = 20W	• **21 joules** = 25W				
AMBIENT HUMIDITY*	• Up to 95%*					
POWER SUPPLY	• 12-48V DC • 100-240V AC (50/60hz)					
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5					

WORKING CURRENT LED	• **Power**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5W**	530 mA	260 mA	120 mA	80 mA	40 mA
	• **10W**	1100 mA	530 mA	240 mA	160 mA	80 mA
WORKING CURRENT XENON	• **Energy**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5J**	460 mA	280 mA	140 mA	60 mA	35 mA
	• **10J**	850 mA	490 mA	250 mA	100 mA	60 mA
	• **15J**	1200 mA	700 mA	360 mA	140 mA	80 mA
	• **21J**	NA	960 mA	480 mA	180 mA	110 mA

CABLES ENTRY	• 4 x M20, 1 x M25 & 3 x M20, 1 x 1/2" NPT & 3 x M20, 1 x 3/4" NPT & 3 x M20. Additional adaptors can be supplied as well as cable glands, please specify.
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• 5.1 Kg

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

BC 125 EX beacon / light



Product	Certification	Lens colour	Light type	Supply	Duty label	Tag label	Lens guard	Connection	Housing colour	Standard
BC	125	R	X10	DC	N	Y	Y	A	RD	N

Product
- BC = BEACON

Certification
- 125 = HAZARDOUS AREA
- 126 = NON-CERTIFIED

Lens colour
- R = RED
- A = AMBER
- B = BLUE
- G = GREEN
- Y = YELLOW
- C = CLEAR

Light type
- X05 = XENON 5J
- L05 = LED 5W
- X10 = XENON 10J
- L10 = LED 10W
- X15 = XENON 15J
- X21 = XENON 21J

Supply
- DC = 12 - 48V DC
- AC = 100 - 240V AC

Duty label
- Y = YES (SEE LIST)
- N = NO

Tag label
- Y = YES
- N = NO

Lens guard
- Y = YES
- N = NO

Connection
- A = 4 x M20 x 1.5
- B = 1 x M25 x 1.5 & 3 x M20 x 1.5
- C = 1 x 1/2” NPT & 3 x M20 x 1.5
- D = 1 x 3/4” NPT & 3 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Housing colour
- RD = RED (STD)
- YW = YELLOW
- BU = BLUE
- BL = BLACK
- GN = GREEN
- GY = GREY
- OJ = ORANGE
- OR = OTHER

Standard
- N/A

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½” NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾” NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½” NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾” NPT NPB conduit adaptor	SPARE3060002

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Datasheet > Audible & visual signalling equipment

BC 125 EX beacon / light

Meaning of lens colour usage in the international standard (IEC 60073)			
Colour	**Meaning**	**Action**	**Example**
● RED	EMERGENT	Dangerous state. Take immediat action.	Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm
● AMBER ● YELLOW	ABNORMAL	Abnormal state, near the critical status	Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm
● GREEN	SAFE	Normal state	Pressure/Temperature in normal state - Automatic control system is operating normally
● BLUE	MANDATORY	Requires operator's action	Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command
○ CLEAR	NO SPECIAL SIGNIFICANCE	If uncertainty for other colors, clear is allowed to be used	General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

BC 150 EX beacon / light



The flameproof BC150 beacon is ATEX / IECEx Certified for use in potentially explosive atmospheres, helping to signal alarms, alerting personnel to potential dangers, or signal the need for immediate action in emergency situations. The BC150 can also be used as part of a status light array.

ATEX / IECEx Flameproof Certification: ATEX Zone 1 and Zone 2 Certified for gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications

Key features: Robust and highly reliable, this Ex beacon is designed for corrosive environments and hazardous areas. Housing is moulded Glass-Reinforced Polyester (GRP), protected by an UV resistant paint. The lens is made of borosilicate glass and is available with a 316L stainless steel lens guard option.

Options: This beacon can be delivered with two different light sources:

- LED with steady, rotary or flashing options of different intensity.
- Flashing with XENON tube of different intensity.
- Four flashing frequencies are selectable.

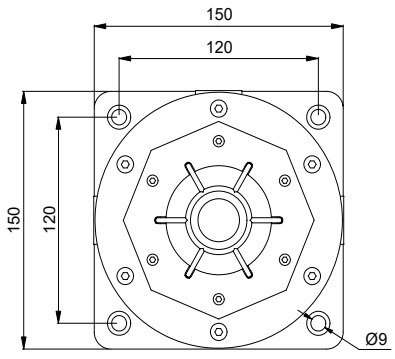
A range of accessories is available to customise this product. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.

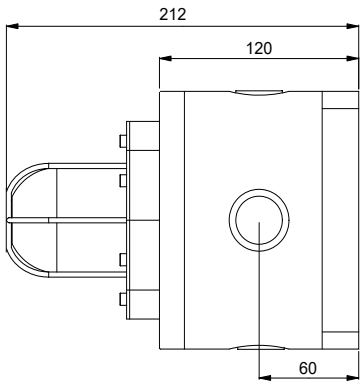












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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

BC 150 EX beacon / light

MATERIAL	• **Enclosure:** Glass-Reinforced Polyester (GRP)		• **Lens:** Tempered borosilicate glass 3.3		
HOUSING COLOUR	• RED : RAL3001/3028 • BLACK : RAL9005 • ORANGE : RAL2010	• YELLOW : RAL1018 • GREEN : RAL6032	• BLUE : RAL5005 • GREY : RAL7038		
INGRESS PROTECTION	• IP66/67				
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C				
CERTIFICATION	• **Presafe** 16 ATEX 8967X, IECEX PRE 16.0087X				
EX CODE	• II 2 GD Ex db IIC T4 ~ T6 Gb • Ex tb IIIC T135°C ~T85°C Db				
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31				
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22				
CANDELA LENS COLOUR	• Red: 0.15 • Amber: 0.51 • Blue: 0.12 • Green: 0.49 • Yellow: 0.85 • Clear: 1				
LIGHT TYPE	**Flash tube (XENON)**			**LED**	
TRUE LIGHT INTENSITY	• **5 joules** = 109 Cd • **15 joules** = 395 Cd	• **10 joules** = 293 Cd • **21 joules** = 424 Cd		• **5 W** = 128 Cd	• **10W** = 312 Cd
PEAK LIGHT INTENSITY	• **5 joules** = 35970 Cd • **15 joules** = 83345 Cd	• **10 joules** = 66804 Cd • **21 joules** = 95824 Cd			
LIFETIME	• Emissions are reduced to 70% after 8 million flashes			• >50 000 hours without luminosity decreasing	
BLINKING OR ROTARY FREQUENCY (0 = steady status)	• 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min			• 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min	
CONSUMPTION	• **5 joules** = 10W • **15 joules** = 20W	• **10 joules** = 15W • **21 joules** = 25W		• **5W**	• **10W**
AMBIENT HUMIDITY*	• Up to 95%*				
POWER SUPPLY	• 12-48V DC • 100-240V AC (50/60hz)				
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5				

WORKING CURRENT LED	• **Power**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5W**	530 mA	260 mA	120 mA	80 mA	40 mA
	• **10W**	1100 mA	530 mA	240 mA	160 mA	80 mA

WORKING CURRENT XENON	• **Energy**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5J**	460 mA	280 mA	140 mA	60 mA	35 mA
	• **10J**	850 mA	490 mA	250 mA	100 mA	60 mA
	• **15J**	1200 mA	700 mA	360 mA	140 mA	80 mA
	• **21J**	NA	960 mA	480 mA	180 mA	110 mA

CABLES ENTRY	• 4 x M20, 1 x M25 & 3 x M20, 1 x 1/2" NPT & 3 x M20, 1 x 3/4" NPT & 3 x M20. Additional adaptors can be supplied as well as cable glands, please specify.
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• 3.6 Kg

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

BC 150 EX beacon / light



Product	Certification	Lens colour	Light type	Supply	Duty label	Tag label	Lens guard	Connection	Housing colour	Standard
BC	150	R	X10	DC	N	Y	Y	A	RD	N

Product
- BC = BEACON

Certification
- 150 = HAZARDOUS AREA
- 151 = NON-CERTIFIED

Lens colour
- R = RED
- A = AMBER
- B = BLUE
- G = GREEN
- Y = YELLOW
- C = CLEAR

Light type
- X05 = XENON 5J
- L05 = LED 5W
- X10 = XENON 10J
- L10 = LED 10W
- X15 = XENON 15J
- X21 = XENON 21J

Supply
- DC = 12 - 48V DC
- AC = 100 - 240V AC

Duty label
- Y = YES (SEE LIST)
- N = NO

Tag label
- Y = YES
- N = NO

Lens guard
- Y = YES
- N = NO

Connection
- A = 4 x M20 x 1.5
- B = 1 x M25 x 1.5 & 3 x M20 x 1.5
- C = 1 x 1/2" NPT & 3 x M20 x 1.5
- D = 1 x 3/4" NPT & 3 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Housing colour
- RD = RED (STD)
- YW = YELLOW
- BU = BLUE
- BL = BLACK
- GN = GREEN
- GY = GREY
- OJ = ORANGE
- OR = OTHER

Standard
- N/A

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½" NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾" NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½" NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾" NPT NPB conduit adaptor	SPARE3060002

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

BC 150 EX beacon / light

Meaning of lens colour usage in the international standard (IEC 60073)			
Colour	**Meaning**	**Action**	**Example**
● RED	EMERGENT	Dangerous state. Take immediat action.	Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm
● AMBER ● YELLOW	ABNORMAL	Abnormal state, near the critical status	Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm
● GREEN	SAFE	Normal state	Pressure/Temperature in normal state - Automatic control system is operating normally
● BLUE	MANDATORY	Requires operator's action	Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command
○ CLEAR	NO SPECIAL SIGNIFICANCE	If uncertainty for other colors, clear is allowed to be used	General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values

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Datasheet > Audible & visual signalling equipment

CP 125 EX manual call point



The flameproof CP125 manual call point is ATEX / IECEx certified for use in potentially explosive atmospheres. It can be used in conjunction with a fire alarm system and will activate alarms to alert personnel to potential dangers, help signal the need for immediate action in emergency situations and more. Also known as explosion proof fire alarm call point or manual call point (MCP) or “Break Glass” Call Point. Optional SIL2 IEC61508 certification.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for group IIC gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications

Key features: Robust and highly reliable, this Ex manual call point (MCP) is designed for corrosive environments and hazardous areas. Housing is made of stainless steel 316L covered with UV resistant paint. These ATEX / IECEx compliant manual call points are compatible with PLC, ESD and DCS systems. The Manual Call Point is supplied with a hammer and securing chain.

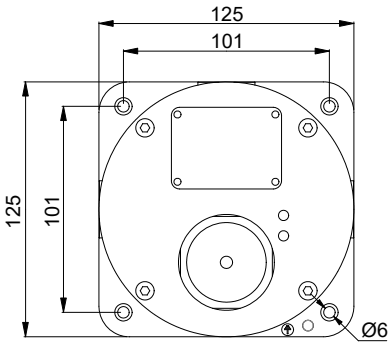
Options: Visualisation functions, line detection and glass protection are optional. A range of accessories is available to customise this ATEX / IECEx manual call point. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.

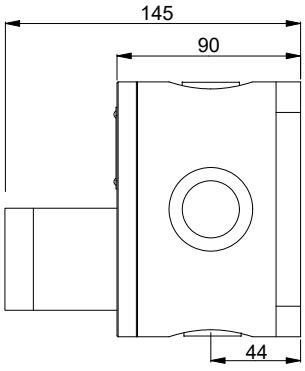












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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

CP 125 EX manual call point

MATERIAL	• **Enclosure:** Stainless steel 316L
COLOUR	• RED : RAL3001 • YELLOW : RAL1018 • BLUE : RAL5005 • BLACK : RAL9005 • GREEN : RAL6032 • GREY : RAL7038 • ORANGE : RAL2010
INGRESS PROTECTION	• IP66/67
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C
CERTIFICATION	• **Nemko** 13 ATEX 1563X, IECEX NEM 13.0033X
EX CODE	• II 2 GD Ex d IIC T6 Gb • Ex tb IIIC T85°C
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22
AMBIENT HUMIDITY*	• Up to 95%
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5
CONTACT TYPE	• 1x C/O or 2x C/O
RATING	• AC 125/250 V (50/60Hz) = 11 A*** ; 30V DC = 6A***; 125 VDC = 0,3A***; 250 V DC = 0,6A***
MINIMUM VOLTAGE AND CURRENT	• DC 5V 10mA
SHORTS CIRCUIT PROTECTION	• 10 A gG
CABLES ENTRY	• 4 x M20, 1 x M25 + 3 x M20, 1 x 1/2” NPT + 3 x M20, 1 x 3/4” NPT + 3 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• 4.6 Kg
LINE RESISTOR**	• 470 Ohms** • 1 watt
SIGNALLING LED**	• Green U= 24V DC I=10mA; Red U=24V DC I= 20mA

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required) *** = resistive lead

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

CP 125 EX manual call point

Product	Certification	Switches	Duty label	Tag label	LED indicator	Features	Connection	Housing
CP	125	S	N	Y	L	FRD	Y	A



Product

CP = CALL POINT

Certification

125 = HAZARDOUS AREA
126 = NON-CERTIFIED

Switches

S = 1
D = 2

Duty label

Y = YES (SEE LIST)
N = NO

Tag label

Y = YES (SEE LIST)
N = NO

LED indicator

L = RED & GREEN
R = RED
G = GREEN
N = NO LED

Features

F = LIFT FLAP
R = RESISTOR(S)
D = DIODE(S)
N = NO FEATURES

Connection

A = 4 x M20 x 1.5
B = 1 x M25 x 1.5 + 3 x M20 x 1.5
C = 1 x 1/2” NPT + 3 x M20 x 1.5
D = 1 x 3/4” NPT + 3 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Housing

RD = RED (STD)
YW = YELLOW
BU = BLUE
BL = BLACK
GN = GREEN
GY = GREY
OJ = ORANGE

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½” NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾” NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½” NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾” NPT NPB conduit adaptor	SPARE3060002

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

CP 135 EX manual call point



The flameproof CP135 manual call point is ATEX / IECEx certified for use in potentially explosive atmospheres. It can be used in conjunction with a fire alarm system will activate alarms to alert personnel to potential dangers, help signal the need for immediate action in emergency situations and more. Also known as explosion proof fire alarm call point, manual call point (MCP) or “Break Glass” call point.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for group IIB +H^2 gas / vapour applications and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications

Key features: Robust and highly reliable, this Ex manual call point (MCP) / Break Glass call point is designed for corrosive environments and hazardous areas. The housing is moulded in Glass-Reinforced Polyester (GRP), protected by an UV resistant paint. These ATEX / IECEx compliant manual call points / “Break Glass” call points are compatible with PLC, ESD and DCS systems. There is a built in test function.

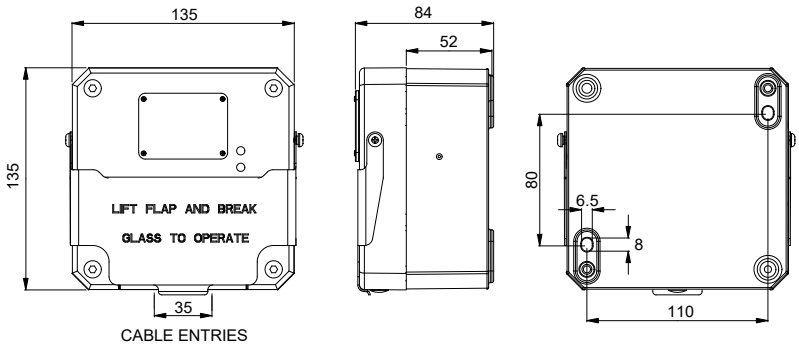
Options: Visualisation functions, line detection, glass protection and hammer are optional. A range of accessories is available to customise this ATEX / IECEx manual call point / “Break Glass” call point. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.











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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

CP 135 EX manual call point

MATERIAL	• **Enclosure:** Glass-Reinforced Polyester (GRP)		
COLOUR	• RED : RAL3001/3028 • BLACK : RAL9005 • ORANGE : RAL2010	• YELLOW : RAL1018 • GREEN : RAL6032 • YELLOW WITH BLACK STRIPES : RAL1018 + RAL1005	• BLUE : RAL5005 • GREY : RAL7038
INGRESS PROTECTION	• IP66/67		
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C		
CERTIFICATION	• **Nemko** 13 ATEX 1568X, IECEX NEM 13.0038X		
EX CODE	• II 2 GD Ex d IIB + H2 T6 Gb • Ex tb IIIC T85°C		
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31 / EN 54-11		
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22		
AMBIENT HUMIDITY*	• up to 95%		
RATED IMPULSE WITHSTAND VOLTAGE	• 1 kV according to IEC 61000-4-5		
CONTACT TYPE	• 1x C/O or 2x C/O (1)		
RATING	• AC 125/250 V (50/60Hz) =11A*** ; 30V DC = 6A***; 125 V DC = 0,3A***; 250 V DC = 0,6A***		
MINIMUM VOLTAGE AND CURRENT	• DC 5V 10mA		
SHORTS CIRCUIT PROTECTION	• 10 A gG		
CABLES ENTRY	• 2 x M20, 1 x M25 + 1 x M20, 1 x 1/2” NPT + 1 x M20, 1 x 3/4” NPT + 1 x M20		
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²		
NET WEIGHT	• 2.0 Kg		
LINE RESISTOR**	• 470 Ohms**	• 1 Watt	
SIGNALLING LED**	• Green U =24VDC I= 10 mA ; Red U=24V DC I = 20mA		

* = without runoff - ** = optional - *** = resistive load - cable gland and blind plug not provided

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

CP 135 EX manual call point

Product	Certification	Switches	Duty label	Tag label	LED indicator	Features	Connection	Entry position	Housing
CP	135	S	N	Y	L	FRD	A	T	RD



Product

CP = CALL POINT

Certification

135 = HAZARDOUS AREA
136 = NON-CERTIFIED

Switches

S = 1
D = 2

Duty label

Y = YES (SEE LIST)
N = NO

Tag label

Y = YES
N = NO

LED indicator

L = RED & GREEN
R = RED
G = GREEN
N = NO LED

Features

F = LIFT FLAP
R = RESISTOR(S)
D = DIODE(S)
N = NO FEATURES

Housing

RD = RED (STD)
YW = YELLOW
BU = BLUE
BL = BLACK
GN = GREEN
GY = GREY
YB = YELLOW & BLACK
OJ = ORANGE
OR = OTHER

Entry position

T = TOP
B = BOTTOM

Connection

A = 2 x M20 x 1.5
B = 1 x M25 x 1.5 + 1 x M20 x 1.5
C = 1 x 1/2" NPT + 1 xM20 x 1.5
D = 1 x 3/4" NPT + 1 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½" NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾" NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½" NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾" NPT NPB conduit adaptor	SPARE3060002

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

CP 150 EX manual call point



The flameproof CP150 manual call point is ATEX / IECEx certified for use in potentially explosive atmospheres. It can be used in conjunction with a fire alarm system and will activate alarms to alert personnel to potential dangers, help signal the need for immediate action in emergency situations and more. Also known as explosion proof fire alarm call point, manual call point (MCP) or “Break Glass” call point. Optional SIL2 IEC61508 certifications.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for group IIC gas / vapour applications and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

Key features: Robust and highly reliable, this Ex manual call point (MCP) / Break Glass call point is designed for corrosive environments and hazardous areas. The housing is moulded in Glass-Reinforced Polyester (GRP), protected by an UV resistant paint. These ATEX / IECEx compliant manual call points / “Break Glass” call points are compatible with PLC, ESD and DCS systems. The Manual Call Point is supplied with a hammer and securing chain.

Options: Visualisation functions, line detection and glass protection are optional. A range of accessories is available to customise this ATEX / IECEx manual call point. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.

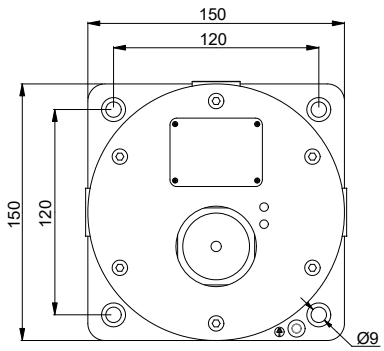
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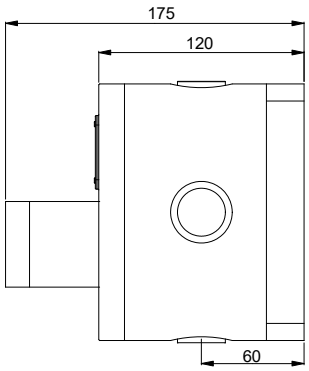












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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

CP 150 EX manual call point

MATERIAL	• **Enclosure:** Glass-Reinforced Polyester (GRP)
COLOUR	• RED : RAL3001/3028 • YELLOW : RAL1018 • BLUE : RAL5005 • BLACK : RAL9005 • GREEN : RAL6032 • GREY : RAL7038 • ORANGE : RAL2010
INGRESS PROTECTION	• IP66/67
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C
CERTIFICATION	• **Nemko** 13 ATEX 1564X, IECEX NEM 13.0034X
EX CODE	• II 2 GD Ex d IIC T6 Gb • Ex tb IIIC T85°C
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22
AMBIENT HUMIDITY*	• up to 95%
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5
CONTACT TYPE	• 1x C/O or 2x C/O
RATING	• AC 125/250 V (50/60Hz) =11A*** ; 30V DC = 6A***; 125 V DC = 0,3A***; 250 V DC = 0,6A***
MINIMUM VOLTAGE AND CURRENT	• DC 5V 10mA
SHORTS CIRCUIT PROTECTION	• 10 A gG
CABLES ENTRY	• 4 x M20, 1 x M25 + 3 x M20, 1 x 1/2” NPT + 3 x M20, 1 x 3/4” NPT + 3 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• 3.5 Kg
LINE RESISTOR**	• 470 Ohms** • 1 watt
SIGNALLING LED**	• Green U =24VDC I= 10 mA ; Red U=24V DC I = 20mA

* = without runoff - ** = optional - *** = resistive load - cable gland and blind plug not provided

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

CP 150 EX manual call point

Product	Certification	Switches	Duty label	Tag label	LED indicator	Features	Connection	Housing
CP	125	S	N	Y	L	FRD	Y	A



Product

CP	= CALL POINT

Certification

150	= HAZARDOUS AREA
151	= NON-CERTIFIED

Switches

S	= 1
D	= 2

Duty label

Y	= YES (SEE LIST)
N	= NO

Tag label

Y	= YES (SEE LIST)
N	= NO

LED indicator

L	= RED & GREEN
R	= RED
G	= GREEN
N	= NO LED

Features

F	= LIFT FLAP
R	= RESISTOR(S)
D	= DIODE(S)
N	= NO FEATURES

Connection

Y	= YES (SEE LIST)
N	= NO

Housing

RD	= RED (STD)
YW	= YELLOW
BU	= BLUE
BL	= BLACK
GN	= GREEN
GY	= GREY
OJ	= ORANGE
OR	= OTHER

A = 4 x M20 x 1.5
B = 1 x M25 x 1.5 + 3 x M20 x 1.5
C = 1 x 1/2” NPT + 3 x M20 x 1.5
D = 1 x 3/4” NPT + 3 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½” NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾” NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½” NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾” NPT NPB conduit adaptor	SPARE3060002

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

PB 125 Ex manual push button



The flameproof PB125 manual push button is ATEX / IECEx certified for use in potentially explosive atmospheres. It can be used it can activate alarms to alert personnel to potential dangers, help signal the need for immediate action in emergency situations and more. It is made from 316L Stainless Steel. Optional SIL2 IEC61508 certification.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for group IIC gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: : Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications

Key features: Robust and highly reliable, this Ex manual push button is designed for corrosive environments and hazardous areas. Housing is made of stainless steel 316L covered with UV resistant paint. These ATEX / IECEx compliant manual push buttons are compatible with PLC, ESD and DCS systems.

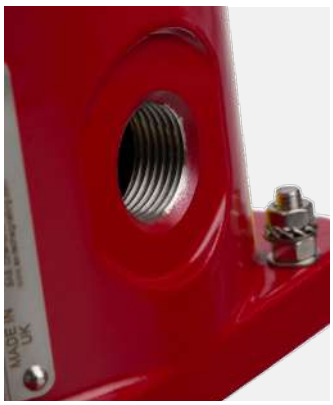
Options: There are two versions, a push button and push button with key Reset. The visualisation functions, line detection and lift flap protection are optional.

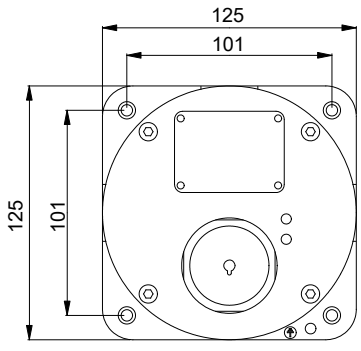
A range of accessories is available to customise this ATEX / IECEx manual push button. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.

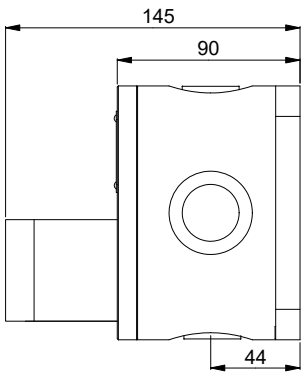












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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

PB 125 Ex manual push button

MATERIAL	• **Enclosure:** Stainless steel 316L
COLOUR	• RED : RAL3001 • YELLOW : RAL1018 • BLUE : RAL5005 • BLACK : RAL9005 • GREEN : RAL6032 • GREY : RAL7038 • ORANGE : RAL2010
INGRESS PROTECTION	• IP66/67
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C
CERTIFICATION	• **Nemko** 13 ATEX 1563X, IECEX NEM 13.0033X
EX CODE	• II 2 GD Ex d IIC T6 Gb • Ex tb IIIC T85°C
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22
AMBIENT HUMIDITY*	• up to 95%
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5
CONTACT TYPE	• 1x C/O or 2x C/O
COMMAND TYPE UNIT	• self reset or key push pull
RATING	• AC 125/250 V (50/60Hz) = 11 A*** ; 30V DC = 6A***; 125 VDC = 0,3A***; 250 V DC = 0,6A***
MINIMUM VOLTAGE AND CURRENT	• DC 5V 10mA
SHORTS CIRCUIT PROTECTION	• 10 AgG
CABLES ENTRY	• 4 x M20, 1 x M25 + 3 x M20, 1 x 1/2” NPT + 3 x M20, 1 x 3/4” NPT + 3 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• 4.7 Kg
LINE RESISTOR**	• 470 Ohms** • 1 watt
SIGNALLING LED**	• Green U= 24V DC I=10mA; Red U=24V DC I= 20mA

* = without runoff - ** = optional - *** resistive load - cable gland and blind plug not provided

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Ex-tech® SIGNALLING

PB 125 Ex manual push button



Product	Certification	Switches	Duty label	Tag label	Reset	LED indicator	Features	Connection	Housing
PB	125	S	N	Y	K	L	FRD	A	RD

Product

PB = PUSH BUTTON

Certification

125 = HAZARDOUS AREA
126 = NON-CERTIFIED

Switches

S = 1
D = 2

Duty label

Y = YES (SEE LIST)
N = NO

Tag label

Y = YES
N = NO

Reset

S = SELF-RESET
K = KEY RESET

LED indicator

L = RED & GREEN
R = RED
G = GREEN
N = NO LED

Features

F = LIFT FLAP
R = RESISTOR(S)
D = DIODE(S)
N = NO FEATURES

Connection

A = 4 x M20 x 1.5
B = 1 x M25 x 1.5 + 3 x M20 x 1.5
C = 1 x 1/2" NPT + 3 x M20 x 1.5
D = 1 x 3/4" NPT + 3 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Housing

RD = RED
YW = YELLOW
BU = BLUE
BL = BLACK
GN = GREEN
GY = GREY
OJ = ORANGE
OR = OTHER

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½" NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾" NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½" NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾" NPT NPB conduit adaptor	SPARE3060002

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

PB 135 Ex manual push button



The flameproof PB135 manual push button is ATEX / IECEx certified for use in potentially explosive atmospheres. It can be used to activate alarms to alert personnel to potential dangers, help signal the need for immediate action in emergency situations and more. It is constructed from GRP. Optional SIL2 IEC61508 certification.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for group IIB +H2 gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications

Key features: Robust and highly reliable, this Ex manual push button is designed for corrosive environments and hazardous areas. Housing is moulded Glass-Reinforced Polyester (GRP), protected by a paint UV resistant. These ATEX / IECEx compliant manual push buttons are compatible with PLC, ESD and DCS systems.

Options: There are two versions, a push button and push button with key Reset. The visualisation functions, line detection and lift flap protection are optional. A range of accessories is available to customise this ATEX / IECEx manual push button. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.

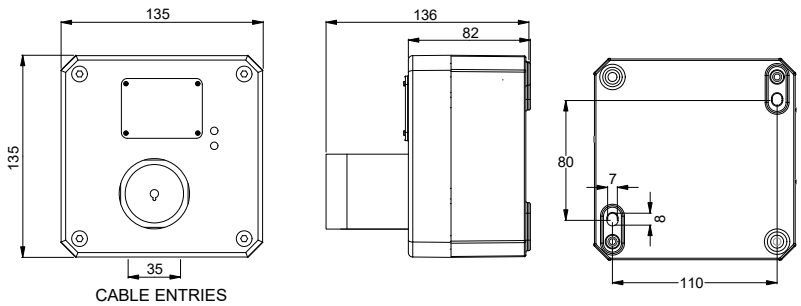
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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

PB 135 Ex manual push button

MATERIAL	• **Enclosure:** Glass-Reinforced Polyester (GRP)
COLOUR	• RED : RAL3001/3028 • YELLOW : RAL1018 • BLUE : RAL5005 • BLACK : RAL9005 • GREEN : RAL6032 • GREY : RAL7038 • ORANGE : RAL2010
INGRESS PROTECTION	• IP66/67
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C
CERTIFICATION	• **Nemko** 13 ATEX 1567X, IECEX NEM 13.0037X
EX CODE	• II 2 GD Ex d IIC +H2 T6 Gb • Ex tb IIIC T85°C
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22
AMBIENT HUMIDITY*	• up to 95%
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5
CONTACT TYPE	• 1x C/O or 2x C/O
COMMAND TYPE UNIT	• self reset or key push pull
RATING	• AC 125/250 V (50/60Hz) = 11 A*** ; 30V DC = 6A***; 125 VDC = 0,3A***; 250 V DC = 0,6A***
MINIMUM VOLTAGE AND CURRENT	• DC 5V 10mA
SHORTS CIRCUIT PROTECTION	• 10 A gG
CABLES ENTRY	• 2 x M20, 1 x M25 + 1 x M20, 1 x 1/2" NPT + 1 x M20, 1 x 3/4" NPT + 1 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• 2 Kg
LINE RESISTOR**	• 470 Ohms** • 1 watt
SIGNALLING LED**	• Green U= 24V DC I=10mA; Red U=24V DC I= 20mA

* = without runoff - ** = optional - *** resistive load - cable gland and blind plug not provided

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

PB 135 Ex manual push button

Product	Certification	Switches	Duty label	Tag label	Reset	LED indicator	Features	Connection	Entry position	Housing
PB	135	S	N	Y	K	L	FRD	A	T	RD



Product

PB = PUSH BUTTON

Certification

135 = HAZARDOUS AREA
136 = NON-CERTIFIED

Switches

S = 1

Duty label

Y = YES (SEE LIST)
N = NO

Tag label

Y = YES
N = NO

Reset

S = SELF-RESET
K = KEY RESET

LED indicator

L = RED & GREEN
R = RED
G = GREEN
N = NO LED

Housing

RD = RED
YW = YELLOW
BU = BLUE
BL = BLACK
GN = GREEN
GY = GREY
OJ = ORANGE
OR = OTHER

Entry position

T = TOP
B = BOTTOM

Connection

A = 2 x M20 x 1.5
B = 1 x M25 x 1.5 + 1 x M20 x 1.5
C = 1 x 1/2" NPT + 1 x M20 x 1.5
D = 1 x 3/4" NPT + 1 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Features

F = LIFT FLAP
R = RESISTOR(S)
D = DIODE(S)
N = NO FEATURES

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½" NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾" NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½" NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾" NPT NPB conduit adaptor	SPARE3060002

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

PB 150 Ex manual push button



The flameproof PB150 manual push button is ATEX / IECEx certified for use in potentially explosive atmospheres. It can be used to activate alarms to alert personnel to potential dangers, help signal the need for immediate action in emergency situations and more. It is made from GRP. Optional SIL2 IEC61508 certification.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for group IIC gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications

Key features: Robust and highly reliable, this Ex manual push button is designed for corrosive environments and hazardous areas. Housing is moulded Glass-Reinforced Polyester (GRP), protected by a UV resistant paint. These ATEX / IECEx compliant manual push buttons are compatible with PLC, ESD and DCS systems.

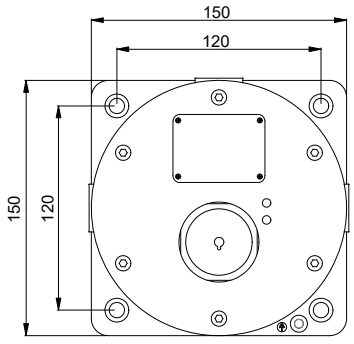
Options: There are two versions, a push button and push button with key to Reset. The visualisation functions, line detection and lift flap protection are optional. A range of accessories is available to customise this ATEX / IECEx manual push button. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.

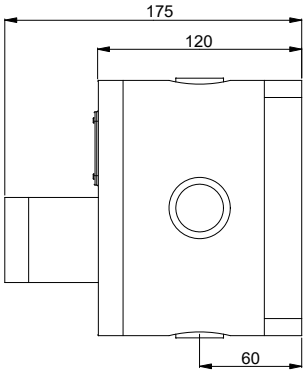












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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

PB 150 Ex manual push button

MATERIAL	• **Enclosure:** Glass-Reinforced Polyester (GRP)
COLOUR	• RED : RAL3001/RAL3028 • YELLOW : RAL1018 • BLUE : RAL5005 • BLACK : RAL9005 • GREEN : RAL6032 • GREY : RAL7038 • ORANGE : RAL2010
INGRESS PROTECTION	• IP66/67
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C
CERTIFICATION	• **Nemko** 13 ATEX 1564X, IECEX NEM 13.0034X
EX CODE	• II 2 GD Ex d IIC +H2 T6 Gb • Ex tb IIIC T85°C
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22
AMBIENT HUMIDITY*	• up to 95%
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5
CONTACT TYPE	• 1x C/O or 2x C/O
COMMAND TYPE UNIT	• self reset or key push pull
RATING	• AC 125/250 V (50/60Hz) = 11 A*** ; 30V DC = 6A***; 125 VDC = 0,3A***; 250 V DC = 0,6A***
MINIMUM VOLTAGE AND CURRENT	• DC 5V 10mA
SHORTS CIRCUIT PROTECTION	• 10 A gG
CABLES ENTRY	• 4 x M20, 1 x M25 x 1.5 + 3 x M20, 1 x 1/2” NPT + 3 x M20, 1 x 3/4” NPT + 3 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• 3.5 Kg
LINE RESISTOR**	• 470 Ohms** • 1 watt
SIGNALLING LED**	• Green U= 24V DC I=10mA; Red U=24V DC I= 20mA

* = without runoff - ** = optional - *** resistive load - cable gland and blind plug not provided

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

PB 150 Ex manual push button



Product	Certification	Switches	Duty label	Tag label	Reset	LED indicator	Features	Connection	Housing
PB	150	S	N	Y	K	L	FRD	A	RD

Product

PB = PUSH BUTTON

Certification

150 = HAZARDOUS AREA
151 = NON-CERTIFIED

Switches

S = 1
D = 2

Duty label

Y = YES (SEE LIST)
N = NO

Tag label

Y = YES
N = NO

Reset

S = SELF-RESET
K = KEY RESET

LED indicator

L = RED & GREEN
R = RED
G = GREEN
N = NO LED

Features

F = LIFT FLAP
R = RESISTOR(S)
D = DIODE(S)
N = NO FEATURES

Connection

A = 4 x M20 x 1.5
B = 1 x M25 x 1.5 + 3 x M20 x 1.5
C = 1 x 1/2" NPT + 3 x M20 x 1.5
D = 1 x 3/4" NPT + 3 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Housing

RD = RED
YW = YELLOW
BU = BLUE
BL = BLACK
GN = GREEN
GY = GREY
OJ = ORANGE
OR = OTHER

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½" NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾" NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½" NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾" NPT NPB conduit adaptor	SPARE3060002

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 125 Series combined products



The flameproof SB125 sounder and beacon combination is ATEX / IECEx certified for use in potentially explosive atmospheres and provides clear visual and audible status indication (can be labelled accordingly). It is constructed from 316L stainless steel.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

Key features: The explosion proof set is provided with a combination of sounder and beacons. Robust and highly reliable, the Ex assembly is designed for corrosive environments and hazardous areas. The housing is 316L stainless steel protected by an UV resistant paint. The lens is made with borosilicate glass 3.3. The set is assembled on a stainless steel 316L backplate.

Options: The explosion proof sounder (horn) can be set with up to three tones among 59 prerecorded tones (according to user control system). Pausing of the signal can be done by an external switch. The explosion proof assembly can be delivered with two different light sources:

- LED with steady, rotary or flashing of different intensity.
- Flashing with XENON tube of different intensity.
- Four flashing frequencies are selectable.
- One of the beacons can be replaced by a push button or a junction box if required
- The sounder and beacons can be triggered either jointly or independently.

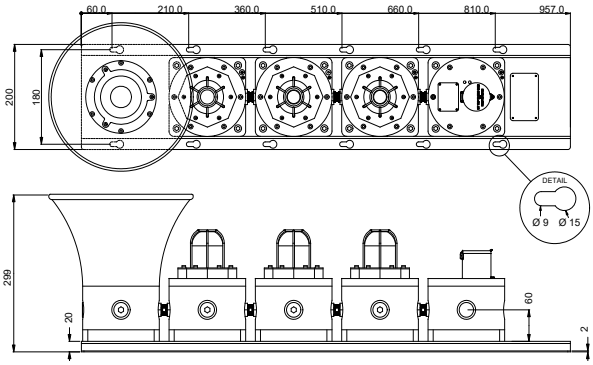
A range of accessories is available to customise this ATEX / IECEx status light package. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.











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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 125 Series combined products

MATERIAL	• **Enclosure:** Stainless Steel 316L		• **Lens:** Tempered borosilicate glass 3.3		
COLOUR	• RED : RAL3001 • BLACK : RAL9005 • ORANGE : RAL2010		• YELLOW : RAL1018 • GREEN : RAL6032		• BLUE : RAL5005 • GREY : RAL7038
INGRESS PROTECTION	• IP66/67				
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C				
CERTIFICATION	• **Nemko** 13 ATEX 1566X, IECEX NEM 13.0036X				
EX CODE	• II 2 GD Ex d IIC T4 ~ T6 Gb • Ex tb IIIC T135°C ~T85°C				
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31				
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22				
CANDELA LENS COLOUR	• Red: 0.15 • Amber: 0.51 • Blue: 0.12 • Green: 0.49 • Yellow: 0.85 • Clear: 1				
LIGHT TYPE	**Flash tube (XENON)**			**LED**	
TRUE LIGHT INTENSITY	• **5 joules** = 109 Cd • **15 joules** = 395 Cd	• **10 joules** = 293 Cd • **21 joules** = 424 Cd		• **5 W** = 128 Cd	• **10W** = 312 Cd
PEAK LIGHT INTENSITY	• **5 joules** = 35970 Cd • **15 joules** = 83345 Cd	• **10 joules** = 66804 Cd • **21 joules** = 95824 Cd			
LIFETIME	• Emissions are reduced to 70% after 8 million flashes			• >50 000 hours without luminosity decreasing	
FLASHING OR ROTARY FREQUENCY (0 = steady status)	• 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min			• 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min	
CONSUMPTION	• **5 joules** = 10W • **15 joules** = 20W	• **10 joules** = 15W • **21 joules** = 25W		• **5W**	• **10W**
AMBIENT HUMIDITY*	• Up to 95%*				
POWER SUPPLY	• 12-48V DC		•100-240V AC (50/60hz)		
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5				

WORKING CURRENT LED	• **Power**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5W**	530 mA	260 mA	120 mA	80 mA	40 mA
	• **10W**	1100 mA	530 mA	240 mA	160 mA	80 mA

WORKING CURRENT XENON	• **Energy**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5J**	460 mA	280 mA	140 mA	60 mA	35 mA
	• **10J**	850 mA	490 mA	250 mA	100 mA	60 mA
	• **15J**	1200 mA	700 mA	360 mA	140 mA	80 mA
	• **21J**	NA	960 mA	480 mA	180 mA	110 mA

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 125 Series combined products

CONSUMPTION SOUNDER	• Adjustable from 5 to 25W (factory setting 20W)
CURRENT CONSUMPTION	• 0.5 to 1 A
SIGNALLING TYPE	• 59 tones siren
NOISE LEVEL	• Until 115 dB at 1m
CABLES ENTRY	• 3 x M20, 1 x M25 + 2 x M20, 1 x 1/2" NPT + 2 x M20, 1 x 3/4" NPT + 2 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• SB125-2: 11.90 Kg, SB125-3: 16.70 Kg, SB125-4: 20.00 Kg, SB125-5: 25.10 Kg

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

Meaning of lens colour usage in the international standard (IEC 60073)

Colour	Meaning	Action	Example
● RED	EMERGENCY	Dangerous state. Take immediate action.	Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm
● AMBER ● YELLOW	ABNORMAL	Abnormal state, near the critical status	Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm
● GREEN	SAFE	Normal state	Pressure/Temperature in normal state - Automatic control system is operating normally
● BLUE	MANDATORY	Requires operator's action	Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command
○ CLEAR	NO SPECIAL SIGNIFICANCE	If uncertainty for other colors, clear is allowed to be used	General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 125 Series combined products



Product	Certification	Combintion	Lens colour	Light type	Power	Supply	Duty label	Tag label	Lens guard	Connection	Housing	Standard
SB	125	4B	YRGB	X	05	DC	N	Y	Y	A	RD	N

Product

SB = COMBINED PRODUCT

Certification

125 = HAZARDOUS AREA
126 = NON-CERTIFIED

Combintion

1J = SOUNDER + JUNCTION BOX
1B = SOUNDER + BEACON
2J = SOUNDER + BEACON + JUNCTION BOX
2B = SOUNDER + 2 BEACONS
2P = SOUNDER + BEACON + PUSH BUTTON
2D = SOUNDER + PUSH BUTTON + JUNCTION BOX
3J = SOUNDER + 2 BEACONS + JUNCTION BOX
3B = SOUNDER + 3 BEACONS
3P = SOUNDER + 2 BEACONS + PUSH BUTTON
3D = SOUNDER + BEACON + PUSH BUTTON + JUNCTION BOX
4J = SOUNDER + 3 BEACONS + JUNCTION BOX
4B = SOUNDER + 4 BEACONS
4P = SOUNDER + 3 BEACONS + PUSH BUTTON
4D = SOUNDER + 2 BEACONS + PUSH BUTTON + JUNCTION BOX

Lens colour

R = RED
A = AMBER
B = BLUE
G = GREEN
Y = YELLOW
C = CLEAR

Light type

X = XENON
L = LED
M = MIXED

Power

05 = XENON 5J / LED 5W
10 = XENON 10J / LED 10W
15 = XENON 15J
21 = XENON 21J
99 = MIXED

Supply

AC = 12 - 48V DC
DC = 100 - 240V AC

Duty label

Y = YES (SEE LIST)
N = NO

Tag label

Y = YES
N = NO

Lens guard

Y = YES
N = NO

Connection

A = 3 x M20 x 1.5
B = 1 x M25 x 1.5 + 2 x M20 x 1.5
C = 1 x 1/2" NPT + 2 x M20 x 1.5
D = 1 x 3/4" NPT + 2 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Housing

RD = RED (STD)
YW = YELLOW
BU = BLUE
BL = BLACK
GN = GREEN
GY = GREY
OJ = ORANGE
OR = OTHER

Standard

N/A

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½" NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾" NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½" NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾" NPT NPB conduit adaptor	SPARE3060002

Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 125-1 Ex SOUNDER /BEACON



The flameproof SB125-1 sounder and beacon combination is ATEX / IECEx certified for use in potentially explosive atmospheres and provides clear visual and audible status indication (can be labelled accordingly). It is constructed from 316L stainless steel.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

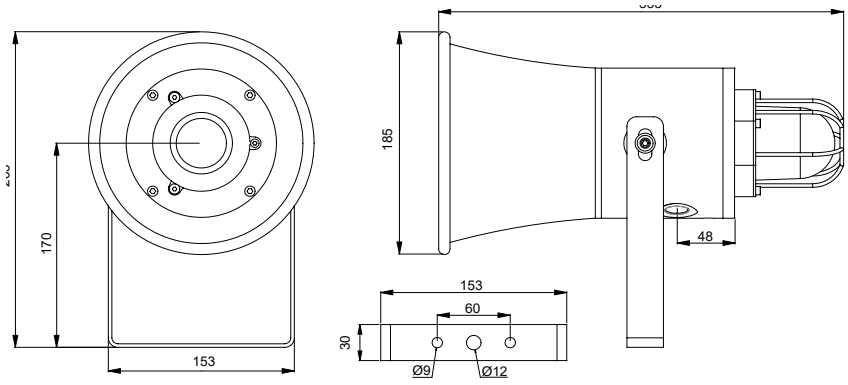
Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

Key features: The explosion proof set is provided with sounder and beacon. Robust and highly reliable, the Ex assembly is designed for corrosive environments and hazardous areas. The lens is made with borosilicate glass 3.3. The set is assembled on a stainless steel 316L backplate.

Options: The explosion proof sounder (horn) can be set with up to three tones among 59 prerecorded tones (according to user control system). Pausing of the signal can be done by an external switch. The housing is made of 316L stainless steel covered with UV resistant paint. The mounting bracket is 316L Stainless steel. The explosion proof assembly set can be delivered with two different light sources:

- LED with steady, rotary or flashing of different intensity.
- Flashing with XENON tube of different intensity.
- Four flashing frequencies are selectable.
- One of the beacon can be replaced by a push button or a junction box if required
- The sounder and beacon can be triggered either jointly or independently.

A range of accessories is available to customise this ATEX / IECEx status light package. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.



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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 125-1 Ex SOUNDER /BEACON

MATERIAL	• **Enclosure:** Stainless steel 316L • **Lens:** Tempered borosilicate glass 3.3					
HOUSING COLOUR	• RED : RAL3001	• YELLOW : RAL1018	• BLUE : RAL5005			
	• BLACK : RAL9005	• GREEN : RAL6032	• GREY : RAL7038			
	• ORANGE : RAL2010					
INGRESS PROTECTION	• IP66/67					
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C					
CERTIFICATION	• **Presafe** 13 ATEX 1566X, IECEX NEM 13.0036X					
EX CODE	• II 2 GD Ex db IIC T4 ~ T6 Gb					
	• Ex tb IIIC T135°C ~T85°C Db					
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31, EN 54-3					
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22					
CANDELA LENS COLOUR	• Red: 0.15 • Amber: 0.51 • Blue: 0.12 • Green: 0.49 • Yellow: 0.85 • Clear: 1					
LIGHT TYPE	**Flash tube (XENON)**				**LED**	
TRUE LIGHT INTENSITY	• **5 joules** = 109 Cd	• **10 joules** = 293 Cd			• **5 W** = 128 Cd	• **10W** = 312 Cd
	• **15 joules** = 395 Cd	• **21 joules** = 424 Cd				
PEAK LIGHT INTENSITY	• **5 joules** = 35970 Cd	• **10 joules** = 66804 Cd				
	• **15 joules** = 83345 Cd	• **21 joules** = 95824 Cd				
LIFETIME	• Emissions are reduced to 70% after 8 million flashes				• >50 000 hours without luminosity decreasing	
FLASHING OR ROTARY FREQUENCY (0 = steady status)	• 60/80/120 times/min				• 60/75/0 times/min	
	• 100/120/150 times/min				• 60/75/100 times/min	
	• 120/150/180 times/min				• 75/95/0 times/min	
					• 75/95/120 times/min	
CONSUMPTION	• **5 joules** = 10W	• **10 joules** = 15W			• **5W**	• **10W**
	• **15 joules** = 20W	• **21 joules** = 25W				
AMBIENT HUMIDITY*	• Up to 95%*					
POWER SUPPLY	• 12-48V DC	• 100-240V AC (50/60hz)				
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5					

WORKING CURRENT LED	• **Power**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5W**	530 mA	260 mA	120 mA	80 mA	40 mA
	• **10W**	1100 mA	530 mA	240 mA	160 mA	80 mA
WORKING CURRENT XENON	• **Energy**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5J**	460 mA	280 mA	140 mA	60 mA	35 mA
	• **10J**	850 mA	490 mA	250 mA	100 mA	60 mA
	• **15J**	1200 mA	700 mA	360 mA	140 mA	80 mA
	• **21J**	NA	960 mA	480 mA	180 mA	110 mA
CONSUMPTION SOUNDER	• Adjustable from 5 to 25W (factory setting 20W)					

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 125-1 Ex SOUNDER /BEACON

CURRENT CONSUMPTION	• 0.5 to 1 A
SIGNALLING TYPE	• 59 tones siren
NOISE LEVEL	• Until 115 dB at 1m
CABLES ENTRY	• 2 x M20, 1 x M25 + 1 x M20, 1 x 1/2" NPT + 1 x M20, 1 x 3/4" NPT + 1 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• 8.0 Kg

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

Meaning of lens colour usage in the international standard (IEC 60073)			
Colour	**Meaning**	**Action**	**Example**
● RED	EMERGENT	Dangerous state. Take immediat action.	Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm
● AMBER ● YELLOW	ABNORMAL	Abnormal state, near the critical status	Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm
● GREEN	SAFE	Normal state	Pressure/Temperature in normal state - Automatic control system is operating normally
● BLUE	MANDATORY	Requires operator's action	Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command
○ CLEAR	NO SPECIAL SIGNIFICANCE	If uncertainty for other colors, clear is allowed to be used	General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 125-1 Ex SOUNDER /BEACON

Product	Certification	Lens colour	Light type	Supply	Duty label	Tag label	Lens guard	Connection	Housing colour	Standard
SB	125	R	X10	DC	N	Y	Y	A	RD	N

Product

BC = SOUNDER BEACON

Certification

125 = HAZARDOUS AREA
126 = NON-CERTIFIED

Lens colour

R = RED
A = AMBER
B = BLUE
G = GREEN
Y = YELLOW
C = CLEAR

Light type

X05 = XENON 5J
L05 = LED 5W
X10 = XENON 10J
L10 = LED 10W
X15 = XENON 15J
X21 = XENON 21J

Supply

DC = 12 - 48V DC
AC = 100 - 240V AC

Duty label

Y = YES (SEE LIST)
N = NO

Tag label

Y = YES
N = NO

Lens guard

Y = YES
N = NO

Connection

A = 2 x M20 x 1.5
B = 1 x M25 x 1.5 & 1 x M20 x 1.5
C = 1 x 1/2" NPT & 1 x M20 x 1.5
D = 1 x 3/4" NPT & 1 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Housing colour

RD = RED (STD)
YW = YELLOW
BU = BLUE
BL = BLACK
GN = GREEN
GY = GREY
OJ = ORANGE
OR = OTHER

Standard

N/A

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½" NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾" NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½" NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾" NPT NPB conduit adaptor	SPARE3060002

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 150 Series combined products



The flameproof SB150 sounder and beacon combination is ATEX / IECEx certified for use in potentially explosive atmospheres and provides clear visual and audible status indication (can be labelled accordingly). It is constructed from GRP.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

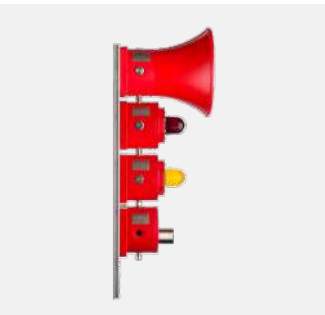
Key features: The explosion proof set is provided with a combination of sounder and beacons. Robust and highly reliable, the Ex assembly is designed for corrosive environments and hazardous areas. The housing is moulded in glass reinforced polyester GRP and protected with UV resistant paint and the lens is made of borosilicate glass. The set is assembled on a stainless steel 316L backplate.

Options: The explosion proof sounder (horn) can be set with up to three tones among 59 prerecorded tones (according to user control system). Pausing of the signal can be done by an external switch. The explosion proof assembly can be delivered with two different light sources:

- LED with steady, rotary or flashing of different intensity.
- Flashing with XENON tube of different intensity.
- Four flashing frequencies are selectable.
- One of the status lights can be replaced by a push button or a junction box if required.
- The sounder and beacons can be triggered either jointly or independently.

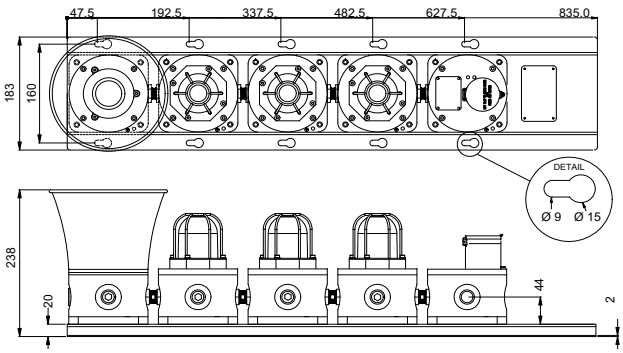
A range of accessories is available to customise this ATEX / IECEx status light package. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.











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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 150 Series combined products

MATERIAL	• **Enclosure:** Stainless Steel 316L		• **Lens:** Tempered borosilicate glass 3.3		
COLOUR	• RED : RAL3001/3028 • BLACK : RAL9005 • ORANGE : RAL2010		• YELLOW : RAL1018 • GREEN : RAL6032		• BLUE : RAL5005 • GREY : RAL7033
INGRESS PROTECTION	• IP66/67				
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C				
CERTIFICATION	• **Nemko** 13 ATEX 1566X, IECEX NEM 13.0036X				
EX CODE	• II 2 GD Ex d IIC T4 ~ T6 Gb • Ex tb IIIC T135°C ~T85°C				
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31				
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22				
CANDELA LENS COLOUR	• Red: 0.15 • Amber: 0.51 • Blue: 0.12 • Green: 0.49 • Yellow: 0.85 • Clear: 1				
LIGHT TYPE	**Flash tube (XENON)**			**LED**	
TRUE LIGHT INTENSITY	• **5 joules** = 109 Cd • **15 joules** = 395 Cd		• **10 joules** = 293 Cd • **21 joules** = 424 Cd	• **5 W** = 128 Cd	• **10W** = 312 Cd
PEAK LIGHT INTENSITY	• **5 joules** = 35970 Cd • **15 joules** = 83345 Cd		• **10 joules** = 66804 Cd • **21 joules** = 95824 Cd		
LIFETIME	• Emissions are reduced to 70% after 8 million flashes			• >50 000 hours without luminosity decreasing	
FLASHING OR ROTARY FREQUENCY (0 = steady status)	• 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min			• 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min	
CONSUMPTION	• **5 joules** = 10W • **15 joules** = 20W		• **10 joules** = 15W • **21 joules** = 25W	• **5W**	• **10W**
AMBIENT HUMIDITY*	• Up to 95%*				
POWER SUPPLY	• 12-48V DC		• 100-240V AC (50/60hz)		
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5				

WORKING CURRENT LED	• **Power**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5W**	530 mA	260 mA	120 mA	80 mA	40 mA
	• **10W**	1100 mA	530 mA	240 mA	160 mA	80 mA

WORKING CURRENT XENON	• **Energy**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5J**	460 mA	280 mA	140 mA	60 mA	35 mA
	• **10J**	850 mA	490 mA	250 mA	100 mA	60 mA
	• **15J**	1200 mA	700 mA	360 mA	140 mA	80 mA
	• **21J**	NA	960 mA	480 mA	180 mA	110 mA

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 150 Series combined products

CONSUMPTION SOUNDER	• Adjustable from 5 to 25W (factory setting 20W)
CURRENT CONSUMPTION	• 0.5 to 1 A
SIGNALLING TYPE	• 59 tones siren
NOISE LEVEL	• Until 115 dB at 1m
CABLES ENTRY	• 3 x M20, 1 x M25 + 2 x M20, 1 x 1/2" NPT + 2 x M20, 1 x 3/4" NPT + 2 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• SB125-2: 11.90 Kg, SB125-3: 16.70 Kg, SB125-4: 20.00 Kg, SB125-5: 25.10 Kg

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

Meaning of lens colour usage in the international standard (IEC 60073)

Colour	Meaning	Action	Example
● RED	EMERGENCY	Dangerous state. Take immediate action.	Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm
● AMBER ● YELLOW	ABNORMAL	Abnormal state, near the critical status	Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm
● GREEN	SAFE	Normal state	Pressure/Temperature in normal state - Automatic control system is operating normally
● BLUE	MANDATORY	Requires operator's action	Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command
○ CLEAR	NO SPECIAL SIGNIFICANCE	If uncertainty for other colors, clear is allowed to be used	General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 150 Series combined products



Product	Certification	Combintion	Lens colour	Light type	Power	Supply	Duty label	Tag label	Lens guard	Connection	Housing	Standard
SB	150	4B	YRGB	X	05	DC	N	Y	Y	A	RD	N

Product

SB = COMBINED PRODUCT

Certification

150 = HAZARDOUS AREA
151 = NON-CERTIFIED

Combintion

1J = SOUNDER + JUNCTION BOX
1B = SOUNDER + BEACON
2J = SOUNDER + BEACON + JUNCTION BOX
2B = SOUNDER + 2 BEACONS
2P = SOUNDER + BEACON + PUSH BUTTON
2D = SOUNDER + PUSH BUTTON + JUNCTION BOX
3J = SOUNDER + 2 BEACONS + JUNCTION BOX
3B = SOUNDER + 3 BEACONS
3P = SOUNDER + 2 BEACONS + PUSH BUTTON
3D = SOUNDER + BEACON + PUSH BUTTON + JUNCTION BOX
4J = SOUNDER + 3 BEACONS + JUNCTION BOX
4B = SOUNDER + 4 BEACONS
4P = SOUNDER + 3 BEACONS + PUSH BUTTON
4D = SOUNDER + 2 BEACONS + PUSH BUTTON + JUNCTION BOX

Lens colour

R = RED
A = AMBER
B = BLUE
G = GREEN
Y = YELLOW
C = CLEAR

Light type

X = XENON
L = LED
M = MIXED

Power

05 = XENON 5J / LED 5W
10 = XENON 10J / LED 10W
15 = XENON 15J
21 = XENON 21J
99 = MIXED

Supply

AC = 12 - 48V DC
DC = 100 - 240V AC

Duty label

Y = YES (SEE LIST)
N = NO

Tag label

Y = YES
N = NO

Lens guard

Y = YES
N = NO

Connection

A = 3 x M20 x 1.5
B = 1 x M25 x 1.5 + 2 x M20 x 1.5
C = 1 x 1/2" NPT + 2 x M20 x 1.5
D = 1 x 3/4" NPT + 2 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Housing

RD = RED (STD)
YW = YELLOW
BU = BLUE
BL = BLACK
GN = GREEN
GY = GREY
OJ = ORANGE
OR = OTHER

Standard

N/A

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½" NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾" NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½" NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾" NPT NPB conduit adaptor	SPARE3060002

Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 150-1 Ex SOUNDER /BEACON



The flameproof SB150-1 sounder and beacon combination is ATEX / IECEx certified for use in potentially explosive atmospheres and provides clear visual and audible status indication (can be labelled accordingly). It is constructed from GRP.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

Key features: The explosion proof set is provided with a sounder and beacon. Robust and highly reliable, the Ex assembly is designed for corrosive environments and hazardous areas. The housing is moulded in glass reinforced polyester GRP and protected with UV resistant paint and the lens is made of borosilicate glass. The set is assembled on a stainless steel 316L backplate.

Options: The explosion proof sounder (horn) can be set with up to three tones among 59 prerecorded tones (according to user control system). Pausing of the signal can be done by an external switch. The mounting bracket is 316L Stainless steel. The explosion proof status light set can be delivered with two different light sources:

- LED with steady, rotary or flashing of different intensity.
- Flashing with XENON tube of different intensity.
- Four flashing frequencies are selectable.
- One of the status lights can be replaced by a push button or a junction box if required.
- The sounder and beacon can be triggered either jointly or independently.

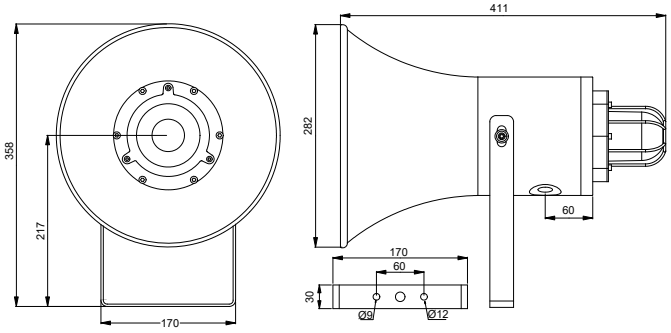
A range of accessories is available to customise this ATEX / IECEx status light package. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.

Ex Made in UK









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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 150-1 Ex SOUNDER /BEACON

MATERIAL	• **Enclosure:** Glass-Reinforced Polyester (GRP)		• **Lens:** Tempered borosilicate glass 3.3 • **Bracket:** Stainless steel 316L			
HOUSING COLOUR	• RED : RAL3001/ RAL3028 • BLACK : RAL9005 • ORANGE : RAL2010	• YELLOW : RAL1018 • GREEN : RAL6032	• BLUE : RAL5005 • GREY : RAL7038			
INGRESS PROTECTION	• IP66/67					
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C					
CERTIFICATION	• **Presafe** 13 ATEX 1566X, IECEX NEM 13.0036X					
EX CODE	• II 2 GD Ex db IIC T4 ~ T6 Gb • Ex tb IIIC T135°C ~T85°C Db					
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31, EN 54-3					
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22					
CANDELA LENS COLOUR	• Red: 0.15 • Amber: 0.51 • Blue: 0.12 • Green: 0.49 • Yellow: 0.85 • Clear: 1					
LIGHT TYPE	**Flash tube (XENON)**			**LED**		
TRUE LIGHT INTENSITY	• **5 joules** = 109 Cd • **15 joules** = 395 Cd	• **10 joules** = 293 Cd • **21 joules** = 424 Cd		• **5 W** = 128 Cd	• **10W** = 312 Cd	
PEAK LIGHT INTENSITY	• **5 joules** = 35970 Cd • **15 joules** = 83345 Cd	• **10 joules** = 66804 Cd • **21 joules** = 95824 Cd				
LIFETIME	• Emissions are reduced to 70% after 8 million flashes			• >50 000 hours without luminosity decreasing		
FLASHING OR ROTARY FREQUENCY (0 = steady status)	• 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min			• 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min		
CONSUMPTION	• **5 joules** = 10W • **15 joules** = 20W	• **10 joules** = 15W • **21 joules** = 25W		• **5W**	• **10W**	
AMBIENT HUMIDITY*	• Up to 95%*					
POWER SUPPLY	• 12-48V DC	• 100-240V AC (50/60hz)				
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5					

WORKING CURRENT LED	• **Power**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5W**	530 mA	260 mA	120 mA	80 mA	40 mA
	• **10W**	1100 mA	530 mA	240 mA	160 mA	80 mA

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 150-1 Ex SOUNDER /BEACON

WORKING CURRENT XENON	• **Energy**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5J**	460 mA	280 mA	140 mA	60 mA	35 mA
	• **10J**	850 mA	490 mA	250 mA	100 mA	60 mA
	• **15J**	1200 mA	700 mA	360 mA	140 mA	80 mA
	• **21J**	NA	960 mA	480 mA	180 mA	110 mA
CONSUMPTION SOUNDER	• Adjustable from 5 to 25W (factory setting 20W)					
CURRENT CONSUMPTION	• 0.5 to 1 A					
SIGNALLING TYPE	• 59 tones siren					
NOISE LEVEL	• Until 115 dB at 1m					
CABLES ENTRY	• 2 x M20, 1 x M25 + 1 x M20, 1 x 1/2" NPT + 1 x M20, 1 x 3/4" NPT + 1 x M20					
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²					
NET WEIGHT	• 8.0 Kg					

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

Meaning of lens colour usage in the international standard (IEC 60073)

Colour	Meaning	Action	Example
RED	EMERGENT	Dangerous state. Take immediat action.	Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm
AMBER YELLOW	ABNORMAL	Abnormal state, near the critical status	Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm
GREEN	SAFE	Normal state	Pressure/Temperature in normal state - Automatic control system is operating normally
BLUE	MANDATORY	Requires operator's action	Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command
CLEAR	NO SPECIAL SIGNIFICANCE	If uncertainty for other colors, clear is allowed to be used	General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SB 150-1 Ex SOUNDER /BEACON



Product	Certification	Lens colour	Light type	Supply	Duty label	Tag label	Lens guard	Connection	Housing colour	Standard
SB	150	R	X10	DC	N	Y	Y	A	RD	N

Product

BC = SOUNDER BEACON

Certification

150 = HAZARDOUS AREA
151 = NON-CERTIFIED

Lens colour

R = RED
A = AMBER
B = BLUE
G = GREEN
Y = YELLOW
C = CLEAR

Light type

X05 = XENON 5J
L05 = LED 5W
X10 = XENON 10J
L10 = LED 10W
X15 = XENON 15J
X21 = XENON 21J

Supply

DC = 12 - 48V DC
AC = 100 - 240V AC

Duty label

Y = YES (SEE LIST)
N = NO

Tag label

Y = YES
N = NO

Lens guard

Y = YES
N = NO

Connection

A = 2 x M20 x 1.5
B = 1 x M25 x 1.5 & 1 x M20 x 1.5
C = 1 x 1/2" NPT & 1 x M20 x 1.5
D = 1 x 3/4" NPT & 1 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Housing colour

RD = RED (STD)
YW = YELLOW
BU = BLUE
BL = BLACK
GN = GREEN
GY = GREY
OJ = ORANGE
OR = OTHER

Standard

N/A

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½" NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾" NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½" NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾" NPT NPB conduit adaptor	SPARE3060002

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SD 125 EX Sounder horn



The flameproof SD125 sounder is ATEX / IECEx certified for use in potentially explosive atmospheres and provides loud warning sounds to signal alarms in tough hazardous area applications. It quickly alerts personnel to potential dangers or signals the need for immediate action in emergency situations. It is constructed from 316L stainless steel.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

Key features: The explosion proof sounder (horn) can be set with up to three tones among 59 prerecorded tones (according to user control system). Pausing of the signal can be done by an external switch. Robust and highly reliable, the Ex horn / sounder is designed for corrosive environments and hazardous areas. The housing is made of 316L stainless steel covered with UV resistant paint. The mounting bracket is 316L Stainless steel.

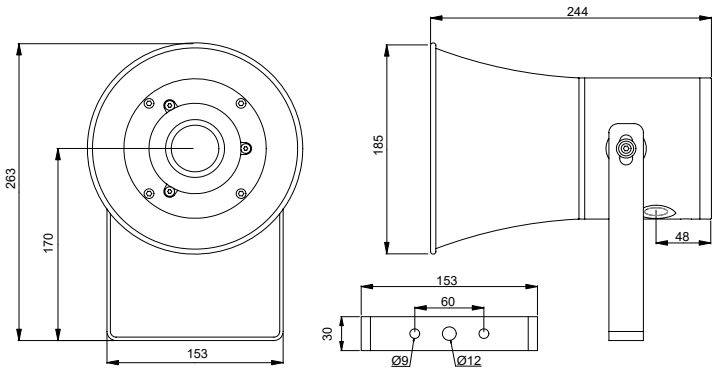
Options: A range of accessories is available to customise this ATEX / IECEx sounder / horn. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.











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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SD 125 EX Sounder horn

MATERIAL	• **Enclosure and bracket:** Stainless steel 316L		
COLOUR	• RED : RAL3001 • BLACK : RAL9005 • ORANGE : RAL2010	• YELLOW : RAL1018 • GREEN : RAL6032	• BLUE : RAL5005 • GREY : RAL7038
INGRESS PROTECTION	• IP66/67		
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C		
CERTIFICATION	• **Nemko** 13 ATEX 1562X, IECEX NEM 13.0032X		
EX CODE	• II 2 GD Ex db IIC T4 ~ T6 Gb • Ex tb IIIC T135°C ~T85°C		
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31		
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22		
AMBIENT HUMIDITY*	• until 95%*		
POWER SUPPLY	• 12-48V DC	• 100-240V AC (50/60hz)	
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5		
CONSUMPTION	• Adjustable from 5 to 25 W (factory setting 20W)		
CURRENT CONSUMPTION	• 0.5 to 1 A		
SIGNALLING TYPE	• 59 tones siren. Specific customer tones can be recorded in factory		
NOISE LEVEL	• Until 115 dB at 1 m		
CABLES ENTRY	• 2 x M20, 1 x M25 + 1 x M20, 1 x 1/2” NPT + 1 x M20, 1 x 3/4” NPT + 1 x M20		
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²		
NET WEIGHT	• 6.4 Kg		

* = without runoff - ** = optional - cable gland and blind plug not provided

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SD 125 EX Sounder horn



Product	Certification	Supply	Duty label	Tag label	Connection	Housing colour	Standard
SD	125	DC	N	Y	A	RD	N

SD	= SOUNDER

125	= HAZARDOUS AREA
126	= NON-CERTIFIED

DC	= 12 - 48V DC
AC	= 100 - 240V AC

Y	= YES (SEE LIST)
N	= NO

Y	= YES (SEE LIST)
N	= NO

A	= 2 x M20 x 1.5
B	= 1 x M25 x 1.5 (VIA ADAPTOR) + 1 x M20
C	= 1 x 1/2” NPT (VIA ADAPTOR) + 1 x M20
D	= 1 x 3/4” NPT (VIA ADAPTOR) + 1 x M20

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

RD	= RED (STD)
YW	= YELLOW
BU	= BLUE
BL	= BLACK
GN	= GREEN
GY	= GREY
OJ	= ORANGE
OR	= OTHER

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½” NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾” NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½” NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾” NPT NPB conduit adaptor	SPARE3060002

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SD 150 EX Sounder horn



The flameproof SD150 sounder (horn) is ATEX / IECEx certified for use in potentially explosive atmospheres and provides loud warning sounds to signal alarms in tough hazardous area applications. It quickly alerts personnel to potential dangers, or signals the need for immediate action in emergency situations. It is constructed from GRP.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: : Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

Key features: The explosion proof sounder (horn) can be set with up to three tones among 59 prerecorded tones (according to user control system). Pausing of the signal can be done by an external switch. Robust and highly reliable, the Ex sounder (horn) is designed for corrosive environments and hazardous areas. Housing is moulded in Glass-Reinforced Polyester (GRP), protected by an UV resistant paint. The mounting bracket is 316L Stainless steel.

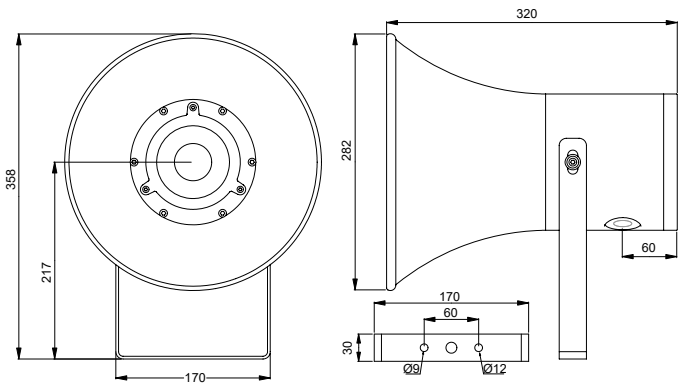
Options: A range of accessories is available to customise this ATEX / IECEx sounder / horn. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.

Ex Made in UK









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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SD 150 EX Sounder horn

MATERIAL	• **Enclosure:** Glass-Reinforced Polyester (GRP) • **Bracket:** Stainless steel 316L
COLOUR	• RED : RAL3001/RAL3028 • YELLOW : RAL1018 • BLUE : RAL5005 • BLACK : RAL9005 • GREEN : RAL6032 • GREY : RAL7038 • ORANGE : RAL2010
INGRESS PROTECTION	• IP66/67
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C
CERTIFICATION	• **Nemko** 13 ATEX 1562X, IECEX NEM 13.0032X
EX CODE	• II 2 GD Ex d IIC T4 ~ T6 Gb • Ex tb IIIC T135°C ~T85°C
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22
AMBIENT HUMIDITY*	• until 95%*
POWER SUPPLY	• 12-48V DC • 100-240V AC (50/60hz)
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5
CONSUMPTION	• Adjustable from 5 to 25 W (factory setting 20W)
CURRENT CONSUMPTION	• 0.5 to 1 A
SIGNALLING TYPE	• 59 tones siren. Specific customer tones can be recorded in factory
NOISE LEVEL	• Until 115 dB at 1 m
CABLES ENTRY	• 2 x M20, 1 x M25 + 1 x M20, 1 x 1/2” NPT + 1 x M20, 1 x 3/4” NPT + 1 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• 6.4 Kg

* = without runoff - ** = optional - cable gland and blind plug not provided

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SD 150 EX Sounder horn



Product	Certification	Supply	Duty label	Tag label	Connection	Housing	Standard
SD	150	DC	N	Y	A	RD	N

SD	= SOUNDER

150	= HAZARDOUS AREA
151	= NON-CERTIFIED

DC	= 12 - 48V DC
AC	= 100 - 240V AC

Y	= YES (SEE LIST)
N	= NO

Y	= YES (SEE LIST)
N	= NO

A	= 2 x M20 x 1.5
B	= 2 x M25 x 1.5 (VIA ADAPTOR)
C	= 2 x 1/2” NPT (VIA ADAPTOR)
D	= 2 x 3/4” NPT (VIA ADAPTOR)

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

RD	= RED (STD)
YW	= YELLOW
BU	= BLUE
BL	= BLACK
GN	= GREEN
GY	= GREY
OJ	= ORANGE
OR	= OTHER

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½” NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾” NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½” NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾” NPT NPB conduit adaptor	SPARE3060002

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SL 125 Series combined products



The flameproof SL125 status light combination is ATEX / IECEx certified for use in potentially explosive atmospheres and provides clear visual status indication (can be labelled accordingly). It is constructed from 316L stainless steel.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

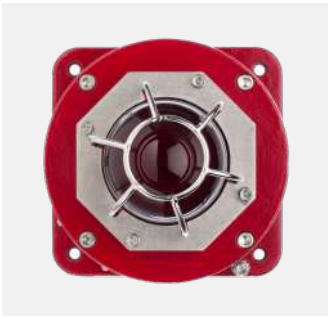
Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

Key features: The explosion proof set is provided with up to 5 status lights. Robust and highly reliable, the Ex status light array is designed for corrosive environments and hazardous areas. The housing is moulded in Glass-Reinforced Polyester (GRP), and protected by an UV resistant paint. The lens is made with borosilicate glass 3.3. The set is assembled on a stainless steel 316L backplate.

Options: The explosion proof status light set can be delivered with two different light sources:

- LED with steady, rotary or flashing of different intensity.
- Flashing with XENON tube of different intensity.
- Four flashing frequencies are selectable.
- One of the status lights can be replaced by a push button or a junction box if required
- The status lights can be triggered either jointly or independently.

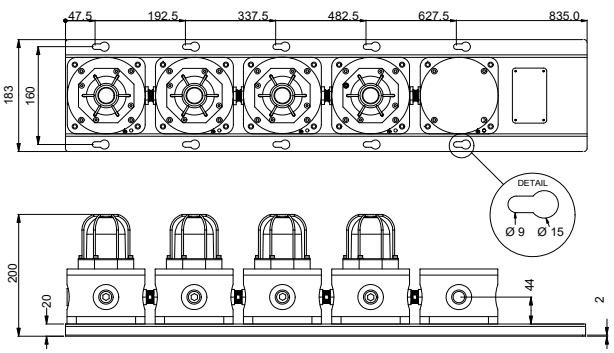
A range of accessories is available to customise this ATEX / IECEx status light package. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.











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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SL 125 Series combined products

MATERIAL	• **Enclosure:** Stainless Steel 316L		• **Lens:** Tempered borosilicate glass 3.3		
COLOUR	• RED : RAL3001 • BLACK : RAL9005 • ORANGE : RAL2010		• YELLOW : RAL1018 • GREEN : RAL6032		• BLUE : RAL5005 • GREY : RAL7038
INGRESS PROTECTION	• IP66/67				
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C				
CERTIFICATION	• **Nemko** 13 ATEX 1566X, IECEX NEM 13.0036X				
EX CODE	• II 2 GD Ex d IIC T4 ~ T6 Gb • Ex tb IIIC T135°C ~T85°C				
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31				
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22				
CANDELA LENS COLOUR	• Red: 0.15 • Amber: 0.51 • Blue: 0.12 • Green: 0.49 • Yellow: 0.85 • Clear: 1				
LIGHT TYPE	**Flash tube (XENON)**			**LED**	
TRUE LIGHT INTENSITY	• **5 joules** = 109 Cd • **15 joules** = 395 Cd		• **10 joules** = 293 Cd • **21 joules** = 424 Cd	• **5 W** = 128 Cd	• **10W** = 312 Cd
PEAK LIGHT INTENSITY	• **5 joules** = 35970 Cd • **15 joules** = 83345 Cd		• **10 joules** = 66804 Cd • **21 joules** = 95824 Cd		
LIFETIME	• Emissions are reduced to 70% after 8 million flashes			• >50 000 hours without luminosity decreasing	
BLINKING OR ROTARY FREQUENCY (0 = steady status)	• 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min			• 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min	
CONSUMPTION	• **5 joules** = 10W • **15 joules** = 20W		• **10 joules** = 15W • **21 joules** = 25W	• **5W**	• **10W**
AMBIENT HUMIDITY*	• Up to 95%*				
POWER SUPPLY	• 12-48V DC		• 100-240V AC (50/60hz)		
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5				

WORKING CURRENT LED	• **Power**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5W**	530 mA	260 mA	120 mA	80 mA	40 mA
	• **10W**	1100 mA	530 mA	240 mA	160 mA	80 mA

WORKING CURRENT XENON	• **Energy**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5J**	460 mA	280 mA	140 mA	60 mA	35 mA
	• **10J**	850 mA	490 mA	250 mA	100 mA	60 mA
	• **15J**	1200 mA	700 mA	360 mA	140 mA	80 mA
	• **21J**	NA	960 mA	480 mA	180 mA	110 mA

CABLES ENTRY	• 3 x M20, 1 x M25 + 2 x M20, 1 x 1/2" NPT + 2 x M20, 1 x 3/4" NPT + 2 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• SL125-A: 10.2 Kg, SL125-B: 15 Kg, SL125-C: 20 Kg, SL125-D: 24.50 Kg

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

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Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SL 125 Series combined products



Product	Certification	Combintion	Lens colour	Light type	Power	Supply	Duty label	Tag label	Lens guard	Connection	Housing	Standard
SL	125	C40	RYGB	X	05	DC	N	Y	Y	A	RD	N

Product
SL = COMBINED PRODUCT

Certification
125 = HAZARDOUS AREA
126 = NON-CERTIFIED

Combintion
A20 = 2 BEACONS
A2J = 1 BEACON + JUNCTION BOX
A2P = 1 BEACON + PUSH BUTTON
B30 = 3 BEACONS
A2J = 1 BEACON + JUNCTION BOX
B3J = 2 BEACONS + JUNCTION BOX
B3P = 2 BEACONS + PUSH BUTTON
BPJ = 1 BEACON + PUSH BUTTON + JUNCTION BOX
C40 = 4 BEACONS
C4J = 3 BEACONS + JUNCTION BOX
C4P = 3 BEACONS + PUSH BUTTON
CPJ = 2 BEACONS + PUSH BUTTON + JUNCTION BOX
D5J = 4 BEACONS + JUNCTION BOX
D5P = 4 BEACONS + PUSH BUTTON
DPJ = 3 BEACONS + PUSH BUTTON + JUNCTION BOX

Lens colour
R = RED
A = AMBER
B = BLUE
G = GREEN
Y = YELLOW
C = CLEAR

Light type
X = XENON
L = XENON
M = MIXED

Power
05 = XENON 5J / LED 5W
10 = XENON 10J / LED 10W
15 = XENON 15J
21 = XENON 21J
99 = MIXED

Supply
AC = 12 - 48V DC
DC = 100 - 240V AC

Duty label
Y = YES (SEE LIST)
N = NO

Tag label
Y = YES
N = NO

Lens guard
Y = YES
N = NO

Connection
A = 3 x M20 x 1.5
B = 1 x M25 x 1.5 + 2 x M20 x 1.5
C = 1 x 1/2" NPT + 2 x M20 x 1.5
D = 1 x 3/4" NPT + 2 x M20 x 1.5
Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Housing
RD = RED (STD)
YW = YELLOW
BU = BLUE
BL = BLACK
GN = GREEN
GY = GREY
OJ = ORANGE
OR = OTHER

Standard
N/A

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½" NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾" NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½" NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾" NPT NPB conduit adaptor	SPARE3060002

Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SL 125 Series combined products

Meaning of lens colour usage in the international standard (IEC 60073)			
Colour	**Meaning**	**Action**	**Example**
● RED	EMERGENCY	Dangerous state. Take immediate action.	Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm
● AMBER ● YELLOW	ABNORMAL	Abnormal state, near the critical status	Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm
● GREEN	SAFE	Normal state	Pressure/Temperature in normal state - Automatic control system is operating normally
● BLUE	MANDATORY	Requires operator's action	Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command
○ CLEAR	NO SPECIAL SIGNIFICANCE	If uncertainty for other colors, clear is allowed to be used	General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values

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Datasheet > Audible & visual signalling equipment

SL 150 Series combined products



The flameproof SL150 status light combination is ATEX / IECEx certified for use in potentially explosive atmospheres and provides clear visual status indication (can be labelled accordingly). It is constructed from GRP.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications.

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

Key features: The explosion proof set is provided with up to 5 status lights. Robust and highly reliable, the Ex status light array is designed for corrosive environments and hazardous areas. The housing is moulded in Glass-Reinforced Polyester (GRP), and protected by an UV resistant paint. The lens is made with borosilicate glass 3.3. The set is assembled on a stainless steel 316L backplate.

Options: The explosion proof status light set can be delivered with two different light sources:

- LED with steady, rotary or flashing of different intensity.
- Flashing with XENON tube of different intensity.
- Four flashing frequencies are selectable.
- One of the status lights can be replaced by a push button or a junction box if required
- The status lights can be triggered either jointly or independently.

A range of accessories is available to customise this ATEX / IECEx status light package. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.

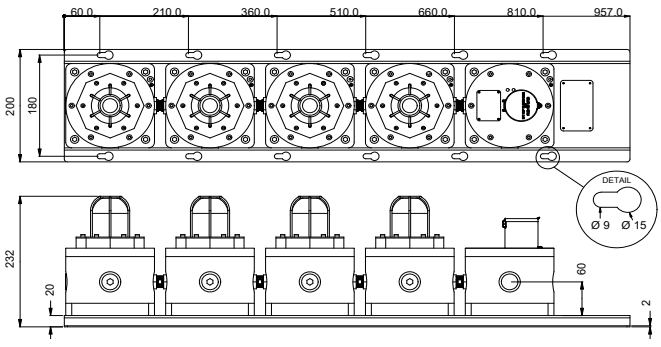
Ex Made in UK











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MATERIAL	• **Enclosure:** Stainless Steel 316L		• **Lens:** Tempered borosilicate glass 3.3		• **Frames:** Stainless Steel 316L	
COLOUR	• RED : RAL3001/3028 • BLACK : RAL9005 • ORANGE : RAL2010		• YELLOW : RAL1018 • GREEN : RAL6032		• BLUE : RAL5005 • GREY : RAL7038	
INGRESS PROTECTION	• IP66/67					
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C					
CERTIFICATION	• **Nemko** 13 ATEX 1566X, IECEX NEM 13.0036X					
EX CODE	• II 2 GD Ex d IIC T4 ~ T6 Gb • Ex tb IIIC T135°C ~T85°C					
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31					
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22					
CANDELA LENS COLOUR	• Red: 0.15 • Amber: 0.51 • Blue: 0.12 • Green: 0.49 • Yellow: 0.85 • Clear: 1					
LIGHT TYPE	**Flash tube (XENON)**				**LED**	
TRUE LIGHT INTENSITY	• **5 joules** = 109 Cd • **15 joules** = 395 Cd		• **10 joules** = 293 Cd • **21 joules** = 424 Cd		• **5 W** = 128 Cd	• **10W** = 312 Cd
PEAK LIGHT INTENSITY	• **5 joules** = 35970 Cd • **15 joules** = 83345 Cd		• **10 joules** = 66804 Cd • **21 joules** = 95824 Cd			
TIME LIFE	• Emissions are reduced to 70% after 8 million flashes				• >50 000 hours without luminosity decreasing	
FLASHING OR ROTARY FREQUENCY (0 = steady status)	• 60/80/120 times/min • 100/120/150 times/min • 120/150/180 times/min				• 60/75/0 times/min • 60/75/100 times/min • 75/95/0 times/min • 75/95/120 times/min	
CONSUMPTION	• **5 joules** = 10W • **15 joules** = 20W		• **10 joules** = 15W • **21 joules** = 25W		• **5W**	• **10W**
AMBIENT HUMIDITY*	• Up to 95%*					
POWER SUPPLY	• 12-48V DC		• 100-240V AC (50/60hz)			
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5					

WORKING CURRENT LED	• **Power**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5W**	530 mA	260 mA	120 mA	80 mA	40 mA
	• **10W**	1100 mA	530 mA	240 mA	160 mA	80 mA

WORKING CURRENT XENON	• **Energy**	**12V DC**	**24V DC**	**48V DC**	**110V AC**	**220V AC**
	• **5J**	460 mA	280 mA	140 mA	60 mA	35 mA
	• **10J**	850 mA	490 mA	250 mA	100 mA	60 mA
	• **15J**	1200 mA	700 mA	360 mA	140 mA	80 mA
	• **21J**	NA	960 mA	480 mA	180 mA	110 mA

CABLES ENTRY	• 3 x M20, 1 x M25 + 2 x M20, 1 x 1/2" NPT + 2 x M20, 1 x 3/4" NPT +2 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• SL150-A: 10.2 Kg, SL150-B: 15 Kg, SL150-C: 20.2 Kg, SL150-D: 23.90 Kg

* = without runoff - ** = optional (cable gland and blanking plugs can be supplied if required)

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SL 150 Series combined products



Product	Certification	Combintion	Lens colour	Light type	Power	Supply	Duty label	Tag label	Lens guard	Connection	Housing	Standard
SL	150	C40	RYGB	X	05	DC	N	Y	Y	A	RD	N

Product
SL = COMBINED PRODUCT

Certification
150 = HAZARDOUS AREA
151 = NON-CERTIFIED

Combintion
A20 = 2 BEACONS
A2J = 1 BEACON + JUNCTION BOX
A2P = 1 BEACON + PUSH BUTTON
B30 = 3 BEACONS
A2J = 1 BEACON + JUNCTION BOX
B3J = 2 BEACONS + JUNCTION BOX
B3P = 2 BEACONS + PUSH BUTTON
BPJ = 1 BEACON + PUSH BUTTON + JUNCTION BOX
C40 = 4 BEACONS
C4J = 3 BEACONS + JUNCTION BOX
C4P = 3 BEACONS + PUSH BUTTON
CPJ = 2 BEACONS + PUSH BUTTON + JUNCTION BOX
D5J = 4 BEACONS + JUNCTION BOX
D5P = 4 BEACONS + PUSH BUTTON
DPJ = 3 BEACONS + PUSH BUTTON + JUNCTION BOX

Lens colour
R = RED
A = AMBER
B = BLUE
G = GREEN
Y = YELLOW
C = CLEAR

Light type
X = XENON
L = XENON
M = MIXED

Power
05 = XENON 5J / LED 5W
10 = XENON 10J / LED 10W
15 = XENON 15J
21 = XENON 21J
99 = MIXED

Supply
AC = 12 - 48V DC
DC = 100 - 240V AC

Duty label
Y = YES (SEE LIST)
N = NO

Tag label
Y = YES
N = NO

Lens guard
Y = YES
N = NO

Connection
A = 3 x M20 x 1.5
B = 1 x M25 x 1.5 + 2 x M20 x 1.5
C = 1 x 1/2" NPT + 2 x M20 x 1.5
D = 1 x 3/4" NPT + 2 x M20 x 1.5
Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Housing
RD = RED (STD)
YW = YELLOW
BU = BLUE
BL = BLACK
GN = GREEN
GY = GREY
OJ = ORANGE
OR = OTHER

Standard
N/A

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
St. St Exd cable gland 10-16mm	SPARE3060109
½" NPT St. St. conduit adaptor	SPARE3060106
St. St Exd cable gland 7-12mm	SPARE3060108
M25 St. St. conduit adaptor	SPARE3060105
¾" NPT St. St. conduit adaptor	SPARE3060107

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
NPB Exd cable gland 10-16mm	SPARE3060018
½" NPT NPB conduit adaptor	SPARE3060019
NPB Exd cable gland 7-12mm	SPARE3060108
M25 NPB conduit adaptor	SPARE3060105
¾" NPT NPB conduit adaptor	SPARE3060002

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Meaning of lens colour usage in the international standard (IEC 60073)			
Colour	**Meaning**	**Action**	**Example**
● RED	EMERGENT	Dangerous state. Take immediat action.	Pressure/Temperature beyond the safe state - Shutdown due to the action of protective devices - Fire alarm - Equipment failure alarm
● AMBER ● YELLOW	ABNORMAL	Abnormal state, near the critical status	Pressure/Temperature above the normal range - Protective device released - Toxic and harmful gases release alarm
● GREEN	SAFE	Normal state	Pressure/Temperature in normal state - Automatic control system is operating normally
● BLUE	MANDATORY	Requires operator's action	Emergency evacuation - Abandon rescue and escape - Abandon platform or abandon ship - Enter the command
○ CLEAR	NO SPECIAL SIGNIFICANCE	If uncertainty for other colors, clear is allowed to be used	General information - Can't exactly use red, yellow, green or blue - Used for the implementation of command - Indicate the measured values

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Product Catalogue

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