Hazardous Area DC
Audible and Visual Alarms

A Range of 24Vdc operated ATEX approved Ex d & I.S. audible and visual alarms available for use in a wide range of indoor or outdoor hazardous area applications

A Range of 24Vdc operated, ATEX approved Ex d and I.S. audible and visual alarms, available for use in a wide range of indoor or outdoor hazardous area applications. When combined with the Honeywell range of fixed point gas monitoring equipment, the systems can provide clear warning to operators that flammable or toxic gas hazards are in the area.

Ex d Audible Alarms

Features
- Maximum output: 117dB(A) @ 1 metre
  Nominal output: 110dB(A) @ 1m +/- 3dB - Tone 2
- ATEX II 2G Ex d IIC T4 (Tamb. -50 to +55°C)
- ATEX / CENELEC / FTZU / IECEx / GOST R
- 32 alarm tones (UKOOA / PFEER compliant)
- 3 stage alarm
- Volume control
- Automatic synchronisation on multi-sounder systems
- 100m effective range @ 1kHz
- Voltage: 24vdc +/-25%, 250mA
- Negative or positive remote switching
- Ingress Protection: IP67
- Enclosure material: Marine grade LM6 Aluminium Chromated & powder coated finish - good resistance to humidity and salt spray environments
- Horn Material: High impact UL94 V0 & 5VA FR ABS
- Operating temperature: -50 to +55°C
- Storage temperature: -50 to +70°C
- Large range of certified end of line resistors.
- Weight: 3.20kg
- KEMA Certificate number: 99ATEX6312
- Very large termination area
- Dual M20 ISO cable gland entries (supplied with one stopping plug)
- Ratchet adjustable stainless steel 'U' bracket for positive adjustment under harsh conditions
- In and out terminals
- Terminals accept 0.5 to 4.0mm² cables
- Line monitoring: Min. 500 Ohm 2w, or 3k3 Ohm 0.5w resistor, or diode within Exd enclosure (dc versions)

Flameproof sounders which are certified to the European Standards EN 50014:1992 and EN 50018:1994 and meet the requirements of ATEX directive 94/9/EC. The sounders produce loud warning signals and can be used in hazardous areas where potentially flammable atmospheres may be present. Thirty two different first stage alarm sounds can be selected and each one can be externally changed to a second or third stage alarm sound (see tone table below). The unit produces output levels in the 117dB(A) range. Suitable for use in Zone 1 and Zone 2 areas with gases in groups IIA, IIB and temperature classifications of T1, T2, T3 and T4.

Configuration

| Stage 1	Frequency Description	Max dB @ 1m		Stage 2	Stage 3
Tone 1	1000Hz continuous - PFEER toxic gas	110dB(A)@1m		Tone 31	Tone 11
Tone 2	800/1000Hz @ 0.25 sec alternating	110dB(A)@1m		Tone 17	Tone 5
Tone 3	500/1200Hz @ 0.3 Hz 0.5 sec slow whoop	110.5dB(A)@1m		Tone 2	Tone 5
Tone 4	800/1000Hz @ 1Hz sweeping	110dB(A)@1m		Tone 6	Tone 5
Tone 5	2400Hz continuous	109dB(A)@1m		Tone 3	Tone 27
Tone 6	2400/2900Hz @ 7Hz sweeping	109dB(A)@1m		Tone 7	Tone 5
Tone 7	2400/2900Hz @ 1Hz sweeping	110dB(A)@1m		Tone 10	Tone 5
Tone 8	500/1200/500Hz @ 0.3Hz sweeping	110.5dB(A)@1m		Tone 2	Tone 5
Tone 9	1200/500Hz @ 1Hz - DIN/PFEER P.T.A.P	110.5dB(A)@1m		Tone 15	Tone 2

Ex d Audible Alarms

Configuration continued

Tone 10	2400/2900Hz @ 2Hz alternating	109dB(A)@1m	⊓⊔⊓⊔⊓	Tone 7	Tone 5
Tone 11	1000Hz @ 0.5Hz intermittent	110.5dB(A)@1m	— — — — —	Tone 31	Tone 1
Tone 12	800/1000Hz @ 0.875Hz alternating	110dB(A)@1m	⊓⊔⊓⊔⊓	Tone 4	Tone 5
Tone 13	2400Hz @ 1Hz intermittent	109dB(A)@1m	— — — — —	Tone 15	Tone 5
Tone 14	800Hz 0.25 sec on, 1 sec off intermittent	103dB(A)@1m	– – – – –	Tone 4	Tone 5
Tone 15	800Hz continuous	103dB(A)@1m	——————	Tone 2	Tone 5
Tone 16	660Hz 150mS on, 150mS off intermittent	104dB(A)@1m	— — — — —	Tone 18	Tone 5
Tone 17	544Hz (100mS) / 440Hz (400mS) - NF S 32-001	107dB(A)@1m	⊓⊔⊓⊔⊓	Tone 2	Tone 27
Tone 18	660Hz 1.8 sec on, 1.8 sec off intermittent	105dB(A)@1m	— — — — —	Tone 2	Tone 5
Tone 19	1.4KHz - 1.6KHz 1s, 1.6KHz - 1.4KHz 0.5s - NFC48-265	117dB(A)@1m	⟋⟋⟍	Tone 2	Tone 5
Tone 20	660Hz continuous	104dB(A)@1m	——————	Tone 2	Tone 5
Tone 21	554Hz / 440Hz @ 1Hz alternating	107dB(A)@1m	⊓⊔⊓⊔⊓	Tone 2	Tone 5
Tone 22	544Hz @ 0.875 sec. intermittent	107dB(A)@1m	— — — — —	Tone 2	Tone 5
Tone 23	800Hz @ 2Hz intermittent	103dB(A)@1m	— — — — —	Tone 6	Tone 5
Tone 24	800 / 1000Hz @ 50Hz sweeping	107dB(A)@1m	∧∧∧∧∧∧∧∧	Tone 29	Tone 5
Tone 25	2400 / 2900Hz @ 50Hz sweeping	109dB(A)@1m	∧∧∧∧∧∧∧∧	Tone 29	Tone 5
Tone 26	Bell	117dB(A)@1m	⫿║║║║║║║║║║║║║	Tone 2	Tone 1
Tone 27	554Hz continuous	107dB(A)@1m	——————	Tone 26	Tone 5
Tone 28	440Hz continuous	104dB(A)@1m	——————	Tone 2	Tone 5
Tone 29	800 / 1000Hz @ 7Hz sweeping	106dB(A)@1m	⟋⟍⟋⟍	Tone 7	Tone 5
Tone 30	420Hz @ 0.625 sec intermittent - Australiian alert	104dB(A)@1m	— — — — —	Tone 32	Tone 5
Tone 31	1200 / 500Hz @ 1Hz - DIN / PFEER P.T.A.P	110.5dB(A)@1m	⟍⟍⟍⟍⟍⟍	Tone 11	Tone 1
Tone 32	500 - 1200Hz 3.75 sec / 0.25 sec - Austrailian evac.	110.5dB(A)@1m	⟋⟋	Tone 26	Tone 1
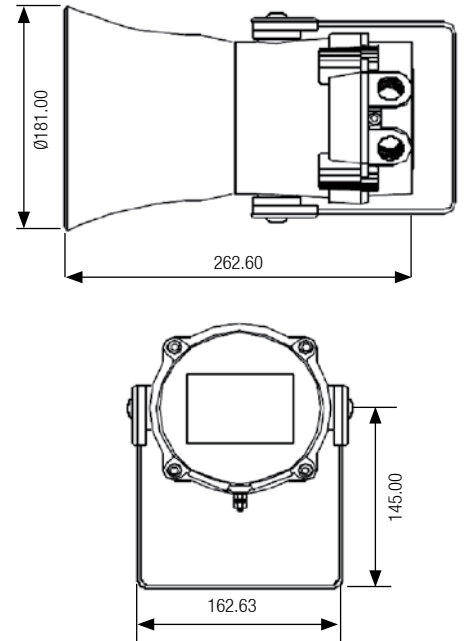
Sound levels for guidance purposes only (typically +/-3dB) at nominal voltage.

Dimensions

Ø181.00
262.60
145.00
162.63

Wiring
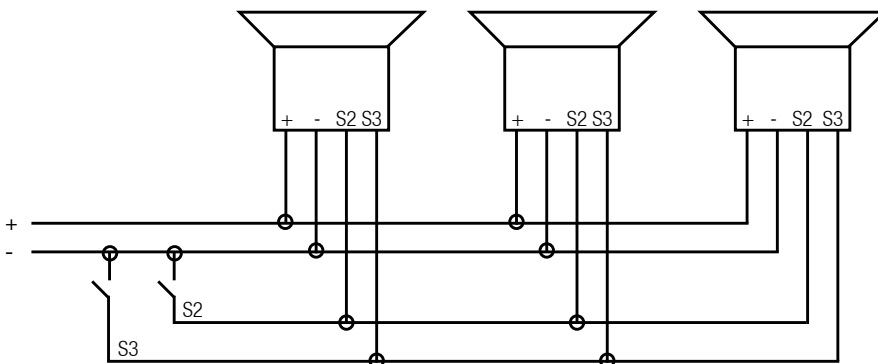
Ex d Visual Alarms

Features

- 5 Joule Xenon: 1Hz (60 FPM) (5 Ws)
- ATEX II 2GD Ex d IIC T5 T100°C
  ATEX II 2GD Ex d IIC T6 T85°C
- ATEX / CENELEC / FTZU / IECEx / GOST R
- Suitable for Zone 1, 2, 21 and 22 gas groups IIC IIB and IIA
- Voltage and current: 24vdc, 300mA
- Red or amber lens colours available
- Automatic synchronisation on multi-beacon systems
- Beacons can be set to 'flip-flop' alternating mode with other units on multi-beacon systems
- Tube life: emissions reduced to 70% after 8 million flashes
- Xenon tubes mechanically secured against shock/vibration
- Ingress Protection: IP67
- Enclosure material: Marine grade LM6 Aluminium
- Chromated & powder coated finish - good resistance to humidity and salt spray environments
- Glass lens and Stainless Steel guard
- Colour available: Red (RAL3000)
- Operating temperature: -50 to +55°C (Exd IIC T5)
  -50 to +40°C (Exd IIC T6)
- Storage temperature: -50 to +70°C
- Large range of certified end of line resistors
- Weight: 2.45kg KEMA Certificate number:
 00ATEX2006 X

Flameproof beacons which are certified to the European Standards EN 50014:1992 and EN 50018:1994 and meet the requirements of ATEX directive 94/9/EC. The beacons produce synchronized visual warning signals and can be used in hazardous areas where potentially flammable atmospheres may be present. The beacons have an output of 5 joules and are suitable for use in Zone 1 and Zone 2 areas with gases in groups IIA, IIB and temperature classifications of T1, T2, T3 and T4. The unit can be used in Zone 21 and Zone 22 areas for combustible dusts and has an IP rating of IP67 and a surface temperature rating of T100°C or T85°C if the upper ambient temperature is restricted to +40°C.
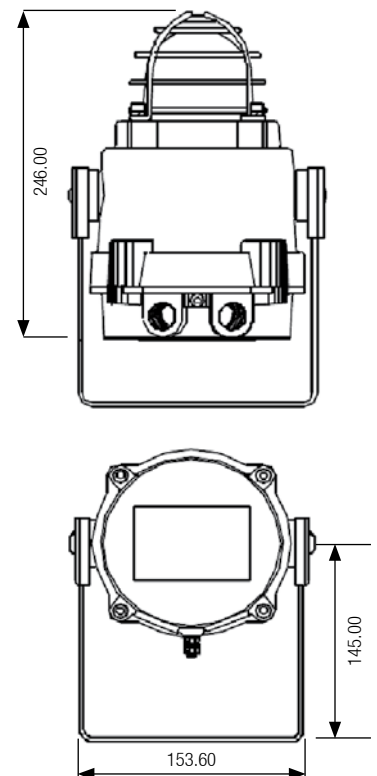
Synchronised Mode
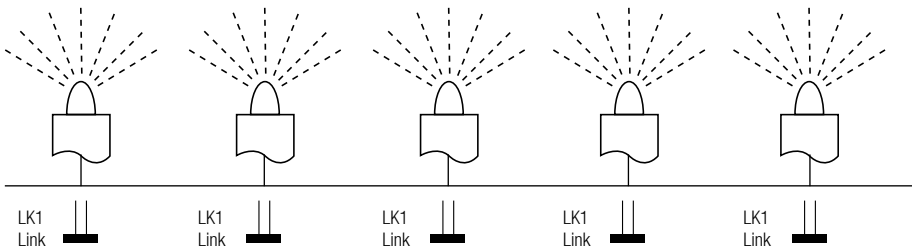
Flip Flop (alternating) Mode
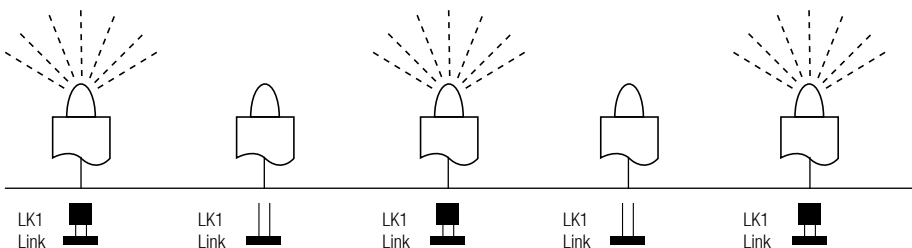
Dimensions

Combined Ex d Audible and Visual Alarms

Features

- ATEX Zones 1 and 2, II 2G Ex d IIB T4
- ATEX / CENELEC / FTZU / IECEx / GOST R
- Voltage 24vdc, power 250mA (sounder), 270mA (beacon)
- Ingress Protection IP67
- Enclosure material: Marine grade LM6 Aluminium
- Chromated & powder coated finish - good resistance to humidity and salt spray environments
- Horn: High impact UL94 V0 & 5VA FR ABS
- Operating temperature: -50 to +55°C
- Storage temperature: -50 to +70°C
- Large range of certified end of line resistors
- Weight: DC:4.80kg
- KEMA Certificate number: 01ATEX2223
- Very large termination area
- Dual M20 ISO cable gland entries (supplied with one stopping plug)
- Ratchet adjustable stainless steel 'U' bracket for positive adjustment under harsh conditions
- In and out terminals
- Terminals accept 0.5 to 4.0mm² cables.
- Line monitoring: Min. 500 Ohm 2w, or 3k3 Ohm 0.5w resistor, or diode within Exd enclosure (dc versions)

Sounder

- Maximum output: 117dB(A) @ 1 metre
  Nominal output: 110dB(A) @ 1m +/- 3dB - Tone 2
- 32 alarm tones (UKOOA / PFEER compliant)
- 3 stage alarm
- Volume control
- Automatic synchronisation on multi-sounder systems
- 100m effective range @ 1kHz
- Negative or positive remote switching

Beacon

- 5 Joule Xenon: 1Hz (60 FPM) (5 Ws)
- Red and amber lens colours available
- Automatic synchronisation on multi-beacon systems
- Beacons can be set to 'flip-flop' alternating mode with other units on multi-beacon systems
- Tube life: emissions reduced to 70% after 8 million flashes
- Xenon tubes mechanically secured against shock/vibration

Flameproof combined sounder/beacon which is certified to the European Standards EN 50014:1992 and EN 50018:1994 and meets the requirements of ATEX directive 94/9/EC. The sounder section produces loud warning signals and the beacon section produces a synchronized visual warning signal. The unit can be used in hazardous areas where potentially flammable atmospheres may be present. Thirty two different first stage alarm sounds can be selected, and each one can be externally changed to a second or third stage alarm sound (see tone table). The sounder produces output levels in the 117dB(A) range and the beacon produces an output level of 5 joules. Suitable for use in Zone 1 and Zone 2 areas with gases in groups IIA, IIB and temperature classifications of T1, T2, T3 and T4.
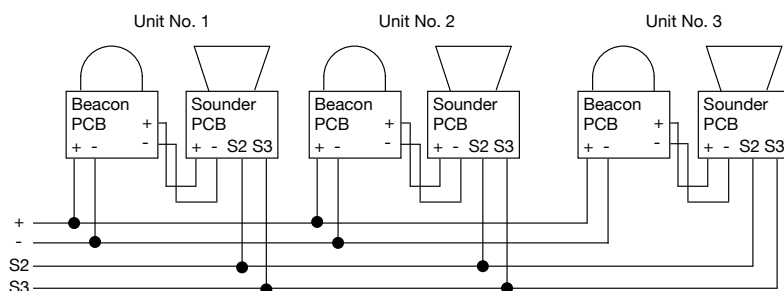

Combinations of the above audible and visual alarms are available.

Wiring

Sounder and beacon can be operated from a single supply for simultaneous operation, or from separate supplies for independent operation.
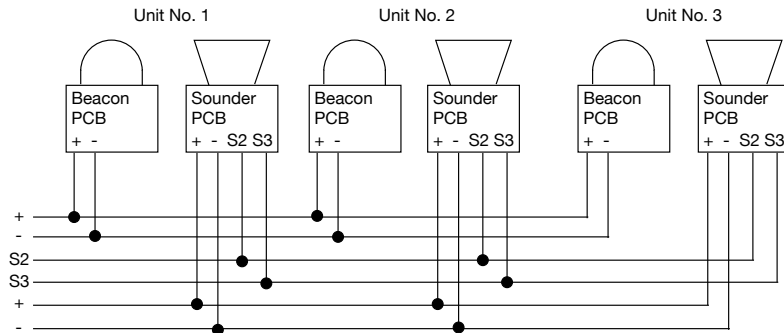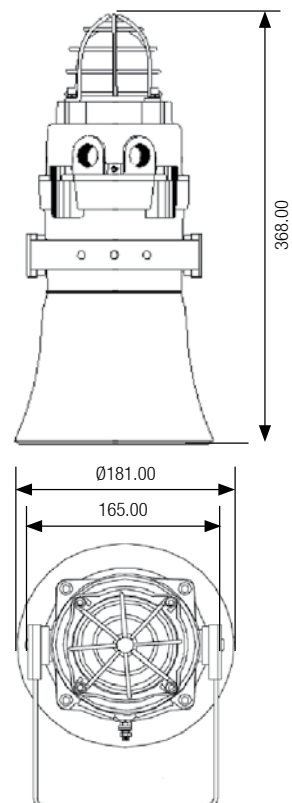

Beacon and sounder wired for independent operation.

Beacon and sounder wired for simultaneous operation.

Dimensions

Features

- Il 1G Ex ia IIC T4 (-40°C<=Ta<=+60°C)
- Rated for Zone 0,1 & 2, gas group IIC
- ABS flame retardent UL94V0 & 5VA housings
- Colour: Red RAL3000
- Ingress Protection: IP65
- Terminals accept 0.5 to 2.5mm² cables.
- Operating temperature: -40 to +60°C
- Storage temperature: -40 to +70°C
- Relative humidity: 90% at 50°C
- Installation: May be powered from any certified Zener barrier whose output parameters do not exceed: Uo : 28VDC Io : 93mA Po : 660mW or from any galvanic isolator specified by the system certificates
- 2 x M20 knockouts
- Output: 100dB(A) @ 1metre
- 49 alarm tone configurations (PFEER/UKOOA compliant)
- 3 stage alarm
- Auto synchronised sound output
- Effective range at 1 kHz : 40m
- Voltage: 16-28vdc via Zener barrier or galvanic isolator
- End of line resistor certified
- Input overload and reverse current protection
- Current: 25mA typical when powered from 24v supply via 28v 300Ohm Zener barrier

An ATEX certified intrinsically safe sounder which produces a loud warning signal in a hazardous area. Forty-nine first stage alarm sounds can be selected by internal switches and each one can be externally changed to a second or third stage alarm sound. The sounder may be used in all gas groups IIA IIB and IIC.

Configuration

Stage 1	Frequency Description		Stage 2	Stage 3
Tone 1	340Hz continuous		Tone 2	Tone 5
Tone 2	800/1000Hz @ 0.25 sec alternating		Tone 17	Tone 5
Tone 3	500/1200Hz @ 0.3 Hz 0.5 sec slow whoop		Tone 2	Tone 5
Tone 4	800/1000Hz @ 1Hz sweeping		Tone 6	Tone 5
Tone 5	2400Hz continuous		Tone 3	Tone 20
Tone 6	2400/2900Hz @ 7Hz sweeping		Tone 7	Tone 5
Tone 7	2400/2900Hz @ 1Hz sweeping		Tone 10	Tone 5
Tone 8	500/1200/500Hz @ 0.3Hz sweeping		Tone 2	Tone 5
Tone 9	1200/500Hz @ 1Hz - DIN/PFEER P.T.A.P		Tone 15	Tone 2
Tone 10	2400/2900Hz @ 2Hz alternating		Tone 7	Tone 5
Tone 11	1000Hz @ 1Hz intermittent		Tone 2	Tone 5
Tone 12	800/1000Hz @ 0.875Hz alternating		Tone 4	Tone 5
Tone 13	2400Hz @ 1Hz intermittent		Tone 15	Tone 5
Tone 14	800Hz 0.25 sec on, 1 sec off intermittent		Tone 4	Tone 5
Tone 15	800Hz continuous		Tone 2	Tone 5
Tone 16	660Hz 150mS on, 150mS off intermittent		Tone 18	Tone 5
Tone 17	544Hz (100mS) / 440Hz (400mS) - NF S 32-001		Tone 2	Tone 27
Tone 18	660Hz 1.8 sec on, 1.8 sec off intermittent		Tone 2	Tone 5
Tone 19	1.4KHz - 1.6KHz 1s, 1.6KHz - 1.4KHz 0.5s - NFC48-265		Tone 2	Tone 5
Tone 20	660Hz continuous		Tone 2	Tone 5
Tone 21	554Hz / 440Hz @ 1Hz alternating		Tone 2	Tone 5
Tone 22	544Hz @ 0.875 sec. intermittent		Tone 2	Tone 5
Tone 23	800Hz @ 2Hz intermittent		Tone 6	Tone 5
Tone 24	800 / 1000Hz @ 50Hz sweeping		Tone 29	Tone 5
Tone 25	2400 / 2900Hz @ 50Hz sweeping		Tone 29	Tone 5
Tone 26	Bell		Tone 2	Tone 15

Dimensions

Ø88.70

95.00

99.00

M20 Cable Entry

85.50 A/F

M20 Cable Entry
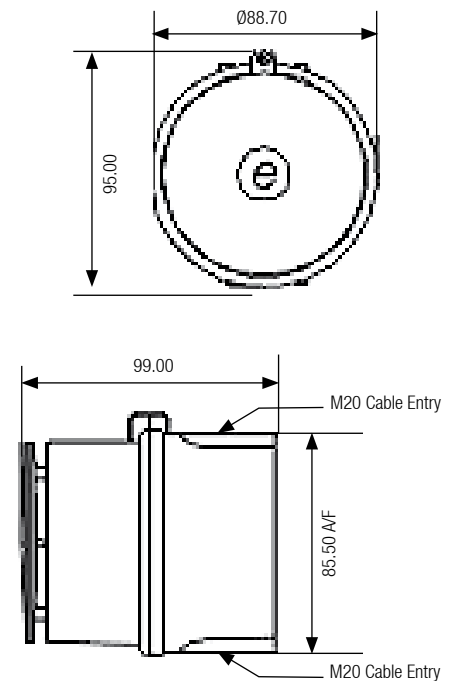
Configuration continued

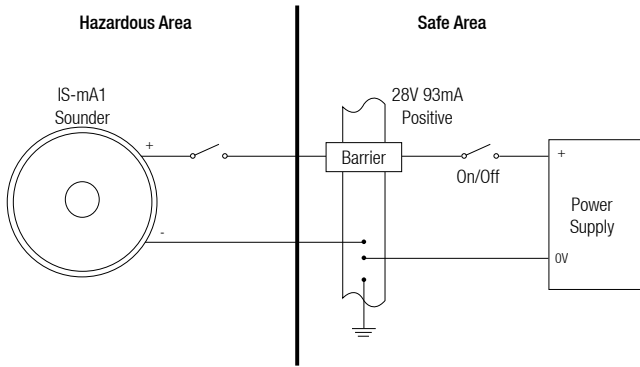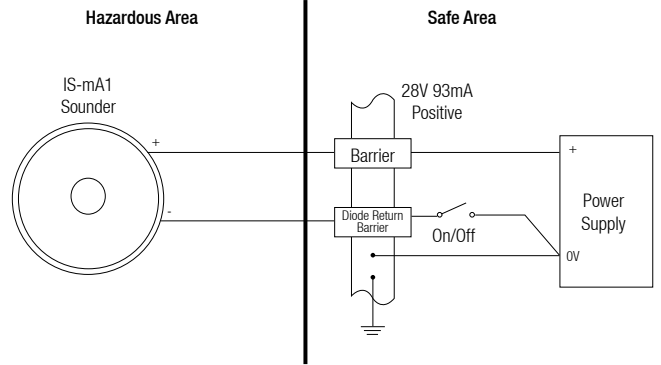|				
Tone 27	554Hz continuous		Tone 26	Tone 5
Tone 28	440Hz continuous		Tone 2	Tone 5
Tone 29	800 / 1000Hz @ 7Hz sweeping		Tone 7	Tone 5
Tone 30	300Hz continuous		Tone 2	Tone 5
Tone 31	600 / 1200Hz @ 1Hz sweeping		Tone 26	Tone 5
Tone 32	Two tone chime		Tone 26	Tone 15
Tone 33	745Hz @ 1Hz intermittent		Tone 2	Tone 5
Tone 34	1000 & 2000Hz @ 0.5 sec alternating - Singapore		Tone 38	Tone 45
Tone 35	420Hz @ 0.625 sec Austrailian alert		Tone 36	Tone 5
Tone 36	500 - 1200Hz 3.75 sec / 0.25 sec. Austrailian evac.		Tone 35	Tone 5
Tone 37	1000Hz continuous - PFEER toxic gas		Tone 9	Tone 45
Tone 38	2000Hz continuous		Tone 34	Tone 45
Tone 39	800Hz 0.25 sec on, 1 sec off intermittent		Tone 23	Tone 17
Tone 40	544Hz (100mS) / 440Hz (400mS) - NF S 32-001		Tone 31	Tone 27
Tone 41	Motor Siren - slow rise to 1200Hz		Tone 2	Tone 5
Tone 42	Motor Siren - slow rise to 800Hz		Tone 2	Tone 5
Tone 43	1200Hz continuous		Tone 2	Tone 5
Tone 44	Motor Siren - slow rise to 2400Hz		Tone 2	Tone 5
Tone 45	1KHz 1s on, 1s off intermittent - PFEER Gen. alarm		Tone 38	Tone 34
Tone 46	1200 / 500Hz @ 1Hz - DIN / PFEER P.T.A.P		Tone 47	Tone 37
Tone 47	1KHz 1s on, 1s off intermittent - PFEER Gen. alarm		Tone 46	Tone 37
Tone 48	420Hz @ 0.625 sec Austrailian alert		Tone 49	Tone 5
Tone 49	500 - 1200Hz 3.75 sec / 0.25 sec. Austrailan evac.		Tone 26	Tone 37

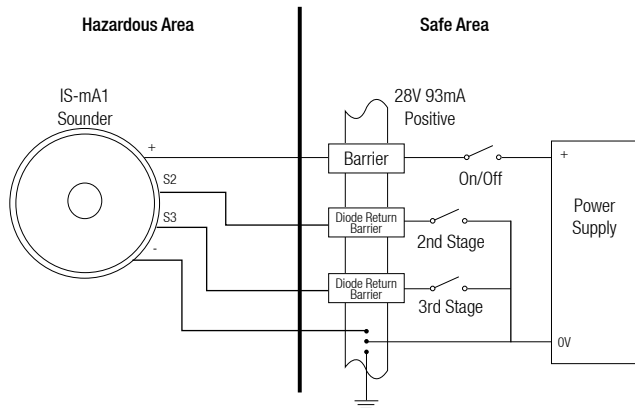## Wiring
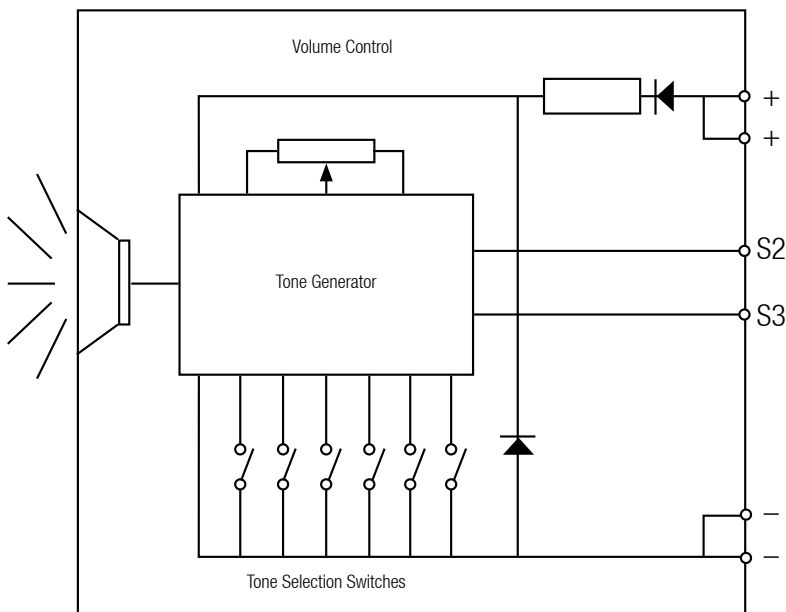
Simplified block diagram

Ex ia Audible Alarms

Single stage alarm using single channel barrier

Hazardous Area | Safe Area

IS-mA1 Sounder

28V 93mA Positive

Barrier

On/Off

Power Supply

+
0V

Single stage alarm using single channel barrier

Single stage alarm using two channel barrier

Hazardous Area | Safe Area

IS-mA1 Sounder

28V 93mA Positive

Barrier

Diode Return Barrier

On/Off

Power Supply

+
0V

Single stage alarm using two channel barrier

Multi stage alarm using Zener barriers

Hazardous Area | Safe Area

IS-mA1 Sounder

28V 93mA Positive

Barrier

On/Off

S2

Diode Return Barrier

2nd Stage

S3

Diode Return Barrier

3rd Stage

Power Supply

+
0V

Multi stage alarm using Zener barriers

Single stage alarm using Galvanic Isolator

Hazardous Area | Safe Area

IS-mA1 Sounder

Galvanic Isolator

+
-

Power
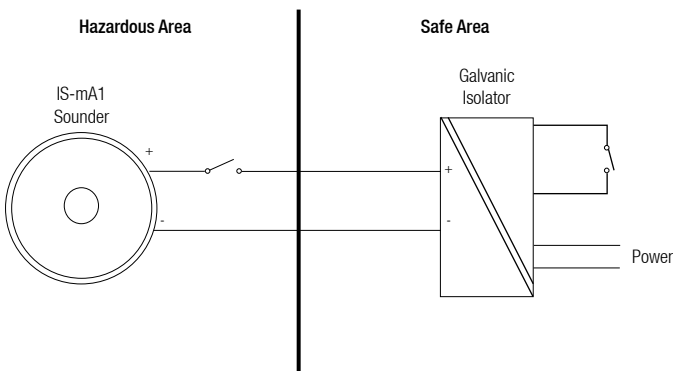
Single stage alarm using Galvanic Isolator

Multi stage alarm using Galvanic Isolated Relays

Hazardous Area | Safe Area

IS-mA1 Sounder

Galvanic Isolator

+
-

S2

Power

Galvanic Isolated Relay

Power
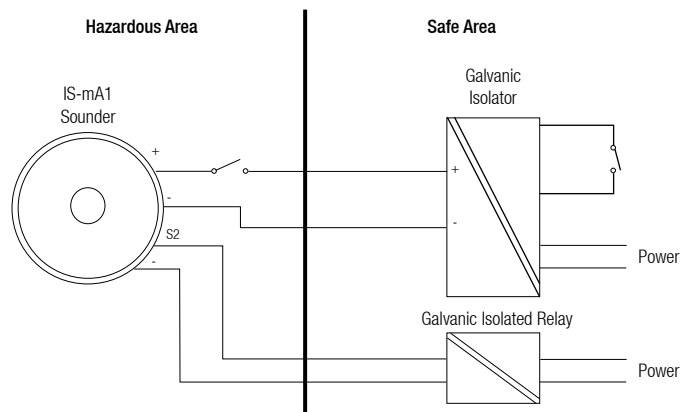
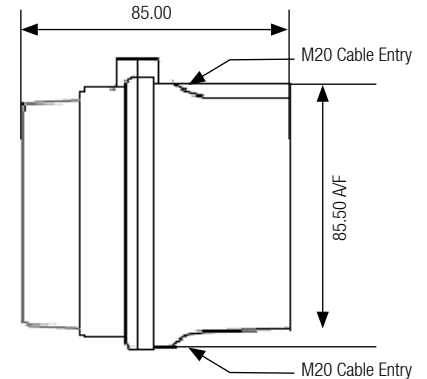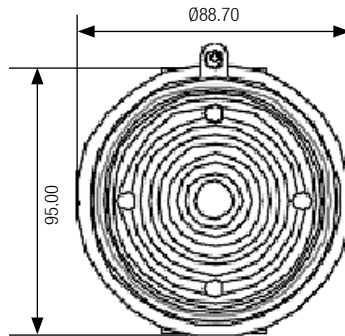**Multi stage alarm using Galvanic Isolated Relays**

Ex ia Visual Alarms

Features

- ll 1G Ex ia IIC T4 (-40°C<=Ta<=+60°C)
- Rated for Zone 0,1 & 2, gas group llC
- ABS flame retardent UL94V0 & 5VA housings
- Colour: Red RAL3000
- Ingress Protection: IP65
- Terminals accept 0.5 to 2.5mm² cables
- Operating temperature: -40 to +60°C
- Storage temperature: -40 to +70°C
- Relative humidity: 90% at 50°C
- Installation: May be powered from any certified Zener barrier whose output parameters do not exceed: Uo: 28VDC Io: 93mA Po: 660mW or from any galvanic isolator specified by the system certificates
- 2 x M20 knockouts
- Array of 6 high intensity L.E.D's
- Red and amber colours available
- Prismatic lens optimises L.E.D effectiveness
- 2 flash modes: Double flash @ 2Hz and 1Hz
- Voltage: 16-28vdc via Zener barrier or galvanic isolator
- End of line resistor certified
- Input overload and reverse current protection
- Current: 25mA typical when powered from 24v supply via 28v 300Ohm Zener barrier
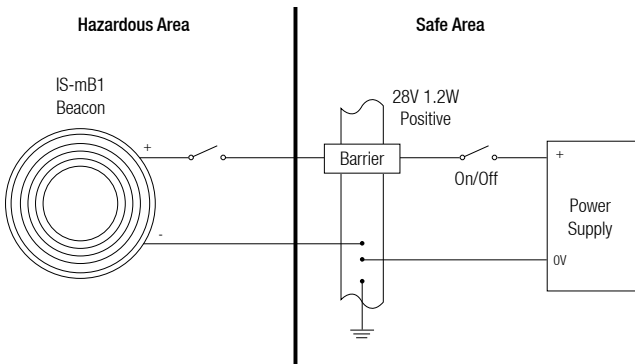
An ATEX certified intrinsically safe beacon which will produce a visual warning in a hazardous area. The beacon can be set internally for a flash rate of either 1Hz or 2Hz. Red or Amber output models are available.
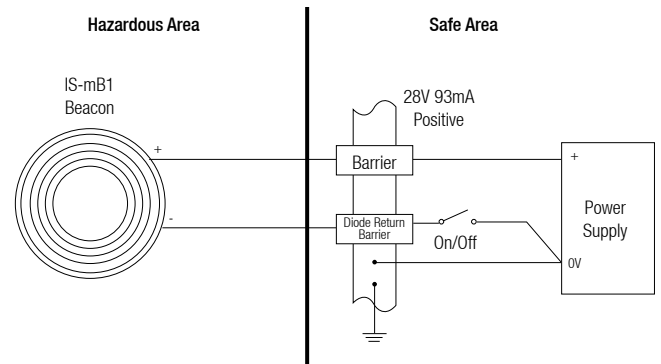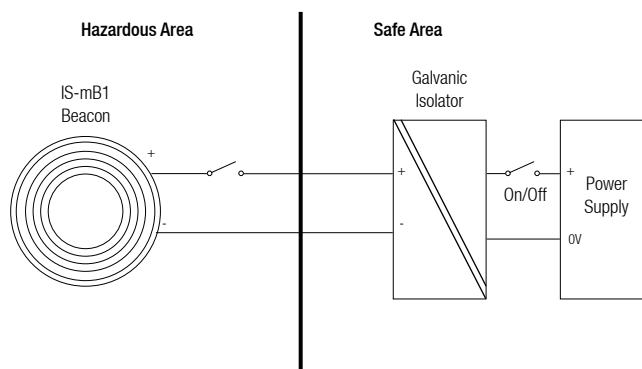
Dimensions

Ø88.70

95.00

85.00

M20 Cable Entry

85.50 A/F

M20 Cable Entry

Wiring

Hazardous Area | **Safe Area**

IS-mB1 Beacon

28V 1.2W Positive

Barrier

On/Off

Power Supply

0V

Using a single channel barrier

Hazardous Area | **Safe Area**

IS-mB1 Beacon

28V 93mA Positive

Barrier

Diode Return Barrier

On/Off

Power Supply

0V

Single stage alarm using a two channel barrier

Hazardous Area | **Safe Area**

IS-mB1 Beacon

Galvanic Isolator

On/Off

Power Supply

0V

Basic circuit for use with a galvanic isolator
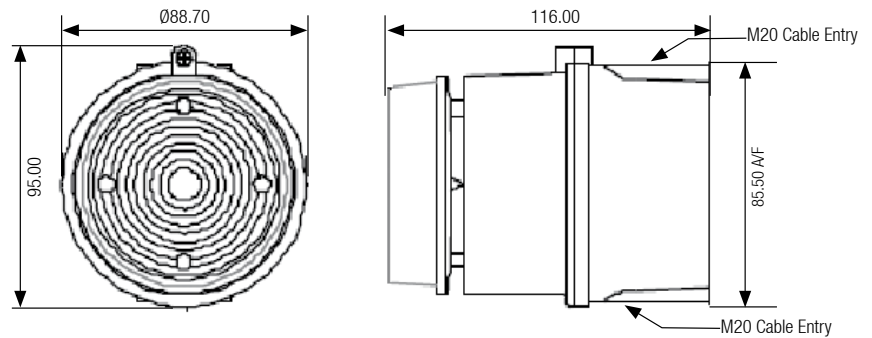
Combined Ex ia Audible/Visual Alarms

Features

- All the features of the IS audible and visual alarms in a compact combined housing
- Only one Zener barrier or galvanic isolator required to run both sounder and beacon
- Current : 48mA typical when powered from 24v supply via 28v 300Ohm Zener barrier

An ATEX certified intrinsically safe combined sounder/beacon unit which produces both a loud audio warning and a visual warning and can be installed in a hazardous area. The sounder section has forty-nine first stage alarm sounds that can be selected by internal switches and each one can be externally changed to a second or third stage alarm sound. The beacon section can be set internally for a flash rate of either 1Hz or 2Hz. The combined unit sounder and beacon can be operated simultaneously from one barrier or from separate barriers if independent operation is required. The unit can be used in all gas groups IIA IIB and IIC.
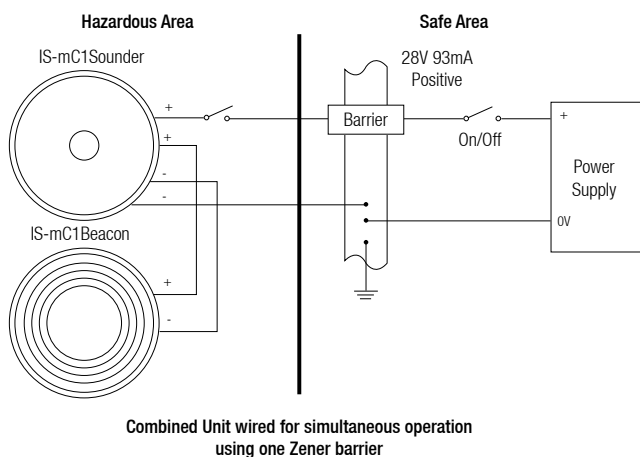
Combinations of the above IS audible and visual alarms are available in a compact combined housing.
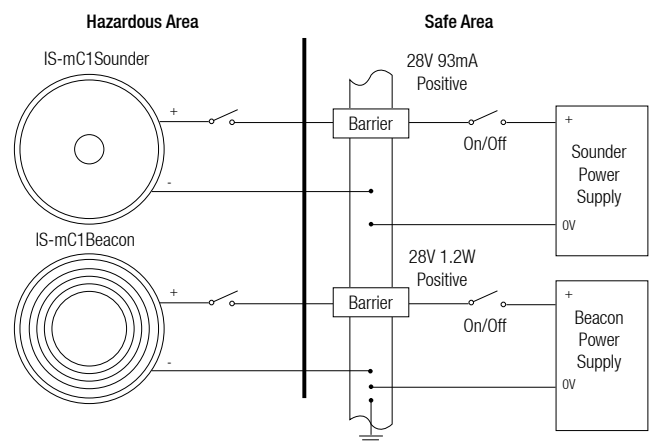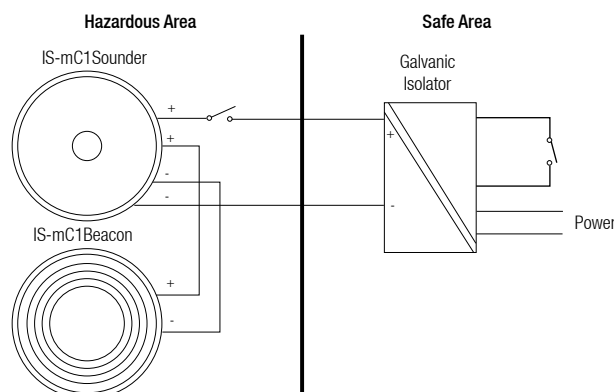
Dimensions

Ø88.70
95.00
116.00
M20 Cable Entry
85.50 A/F
M20 Cable Entry

Wiring

Hazardous Area | **Safe Area**

IS-mC1Sounder

28V 93mA Positive

Barrier

On/Off

Power Supply

0V

IS-mC1Beacon

Combined Unit wired for simultaneous operation using one Zener barrier

Hazardous Area | **Safe Area**

IS-mC1Sounder

28V 93mA Positive

Barrier

On/Off

Sounder Power Supply

0V

IS-mC1Beacon

28V 1.2W Positive

Barrier

On/Off

Beacon Power Supply

0V

Combined Unit wired for independent operation using separate Zener barriers

Hazardous Area | **Safe Area**

IS-mC1Sounder

Galvanic Isolator

Power

IS-mC1Beacon

Combined Unit wired for simultaneous operation using one isolator

Ordering Information

Part Numbering Key	
HA	- Honeywell Analytics Part Number
H	- Hazardous Area Use
AX	- Audible Alarm
VX	- Visual Alarm
AV	- Audible and Visual Alarm
AD	- ATEX Ex d approved
AI	- ATEX Ex ia approved
R	- Red Lens
A	- Amber Lens
	Example: **HAHAVADR** = Honeywell Analytics, hazardous area, audible and visual alarm, ATEX Ex d approved, with a red lens.

Hazardous Area (Ex d) Audible Alarms (DC)

HAHAXAD	24Vdc hazardous area ATEX Ex d indoor/outdoor use audible alarm with red housing. Nominal output 110dB(A) @ 1m (adjustable), 32 alarm tones and 2xM20 gland entries Type Number: BExS110D24DC

Hazardous Area (Ex d) Visual Alarms (DC)

HAHVXADR	24Vdc hazardous area ATEX Ex d indoor/outdoor use visual alarm with red housing and red lens. 5 Joule output xenon strobe, 2xM20 gland entries Type Number: BExBG05D24DC-RD
HAHVXADA	24Vdc hazardous area ATEX Ex d indoor/outdoor use visual alarm with red housing and amber lens. 5 Joule output xenon strobe, 2xM20 gland entries Type Number: BExBG05D24DC-AM

Hazardous Area (Ex d) Audible & Visual Alarms (DC)

HAHAVADR	24Vdc hazardous area ATEX Ex d indoor/outdoor use audible and visual alarm with red housing and red lens. 5 Joule output xenon strobe, audible alarm with nominal output 110dB(A) @ 1m (adjustable), 32 alarm tones 2xM20 gland entries Type Number: BEXCS11005D24DC-RD
HAHAVADA	24Vdc hazardous area ATEX Ex d indoor/outdoor use audible and visual alarm with red housing and red lens. 5 Joule output xenon strobe, audible alarm with nominal output 110dB(A) @ 1m (adjustable), 32 alarm tones 2xM20 gland entries. Type Number: BExCS11005D24DC-AM

Hazardous Area (Ex ia) Audible Alarms (DC)

HAHAXAI	24Vdc hazardous area ATEX Ex ia indoor/outdoor use audible alarm with red housing. Nominal output 100dB(A) @ 1m (adjustable), 49 alarm tones and 2xM20 gland entries Type Number: IS-MA1-R

Hazardous Area (Ex ia) Visual Alarms (DC)

HAHVXAIR	24Vdc hazardous area ATEX Ex ia indoor/outdoor use LED visual alarm with red housing and red lens. 2xM20 gland entries. Type Number: IS-MB1-R/R
HAHVXAEA	24Vdc hazardous area ATEX Ex ia indoor/outdoor use LED visual alarm with red housing and amber lens. 2xM20 gland entries. Type Number: IS-MB1-R/A

Hazardous Area (Ex ia) Combined Audible & Visual Alarms (DC)

HAHAVAIR	24Vdc hazardous area ATEX Ex ia indoor/outdoor use audible alarm with red housing. Nominal output 105dB(A) @ 1m (adjustable), 49 alarm tones and 1xM20 gland entry and 24Vdc hazardous area ATEX Ex ia indoor/outdoor use LED visual alarm with red housing and red lens. 2xM20 gland entries. Type Number: IS-MC1-R/R
HAHAVAIA	24Vdc hazardous area ATEX Ex ia indoor/outdoor use audible alarm with red housing. Nominal output 105dB(A) @ 1m (adjustable), 49 alarm tones and 1xM20 gland entry and 24Vdc hazardous area ATEX Ex ia indoor/outdoor use LED visual alarm with red housing and Amber lens. 2xM20 gland entries. Type Number: IS-MC1-R/A

Our Product Range

Fixed Gas Monitoring

Honeywell Analytics offers a wide range of fixed gas detection solutions for a diverse array of industries and applications including: Commercial properties, industrial applications, semiconductor manufacturers, energy plants and petrochemical sites.

» Detection of flammable, oxygen and toxic gases (including exotics)

» Innovative use of 4 core sensing technologies – paper tape, electrochemical cell, catalytic bead and infrared

» Capability to detect down to Parts Per Billion (ppb) or Percent by Volume (%v/v)

» Cost effective regulatory compliance solutions

Portable Gas Monitoring

When it comes to personal protection from gas hazards, Honeywell Analytics has a wide range of reliable solutions ideally suited for use in confined or enclosed spaces. These include:

» Detection of flammable, oxygen and toxic gases

» Single gas personal monitors – worn by the individual

» Multi-gas portable gas monitors – used for confined space entry and regulatory compliance

» Multi-gas transportable monitors – used for temporary protection of area during site construction and maintenance activities

Technical Services

At Honeywell Analytics, we believe in the value of great service and customer care. Our key commitment is providing complete and total customer satisfaction. Here are just a few of the services we can offer:

» Full technical support

» Expert team on hand to answer questions and queries

» Fully equipped workshops to ensure quick turnaround on repairs

» Comprehensive service engineer network

» Training on product use and maintenance

» Mobile calibration service

» Customised programmes of preventative/corrective maintenance

» Extended warranties on products

Find out more

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H_Hazardous Area Audible and Visual Alarms_DS01086_V1_EMEAI
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