

## ▶ IS-DL105

### Combined ATEX IS (intrinsic safety)



#### Technical specifications

- Maximum output:** 116dB(A) @ 1 meter  
**Number of sounds:** 49 (64 UKOOA / PFEER compliant)  
**Volume control:** adjustable  
**Choice of sounds:** selectable by micro-switch  
**Number of selectable alarm stages/channels:** 3. Automatic synchronisation on multi-sounder system  
**Light output:** 6 high intensity LED  
**Flash rate:**
- Combination mode: 1 Hz (1 double flash per second)
  - Silence mode: 2 Hz (2 double flashes per second)
- Lens colours:** Red (standard), Amber, Blue, Green  
**Voltage:** 16-28Vdc via Zener barrier or galvanic isolator  
**Power consumption:**
- 25 mA with 24Vdc power supply
- Housing material:** marine grade aluminium Al Si12 Cu  
**Ingress Protection:** IP 66  
**Weight:** DC: 2,80kg/6.16lbs / AC:3,10kg/6.82lbs  
**Operating temperature:** -40°C to +70°C  
**Relative humidity:** 95% RH (without condensation)  
**Cable entries:** 2 x M20 x 1.5 mm threaded gland entries  
**Cable cross-section:** 0.5 - 2.5 mm<sup>2</sup> (20-14 AWG)  
**Flash rate:**
- ATEX: DEMKO 14 ATEX 4786493904X
  - IECEx cert: IECEx ULD 14.0004X

#### Product description

ATEX and IECEx Zone 0, 1 & 2 certified, the **IS-DL105** intrinsically safe light and sound combination has a 105 dB(A) siren combined with a high intensity LED matrix. It must be used with a Zener barrier or galvanic isolation to use the ISDL105 in the ATEX zone.

The corrosion resistant, marine grade, die-cast aluminium housing is chrome plated and epoxy painted to withstand the harshest of environments.

With its excellent value for money, the **light and sound ATEX alarm** offers a choice of 49 tones, 3 of which can be remotely controlled, ideal for scaling gas or fire alarm levels in the industry.

#### ▶ Key points

- 0-1-2 Zones for gas risks.
- Sound power: 105 dB.
- 49 sounds selected by microswitches.
- 3 sounds remotely controllable.
- Light output: 6 high intensity LED.
- Input overload and reverse current protection.
- Automatic synchronization of the alarms with parallel mounting.
- Many lenses' colors available.
- Housing material: marine grade aluminium Al Si12 Cu.
- Ingress Protection: IP66.
- Extreme operating temperatures: -40 to +70°C.
- Excellent value for money.

#### Intrinsically Safe Zener Barrier



Zener barriers are simple devices consisting of a combination of Zener diodes, resistors and fuses that limit the voltage, current and power of connected devices in hazardous areas (ATEX).

- Operating voltage 26Vdc positive polarity.
- Max. series resistance 327 Ω.
- Available in 1 or 2 channel versions.
- DIN rail mounting.

#### ATEX D2C1 light and sound combination



In the same range of quality and performance, the ATEX zone 2 & 22 certified D2C1 light and sound handset is particularly suitable for industrial environments where the visual signal complements the sound signal.

Manufactured from corrosion-resistant marine-grade aluminium and chrome-plated, it withstands the harshest environments.