

# IS-L101L Intrinsically Safe $\text{Ex}$ II 1G EEx ia IIC T4 L.E.D. Warning Beacon



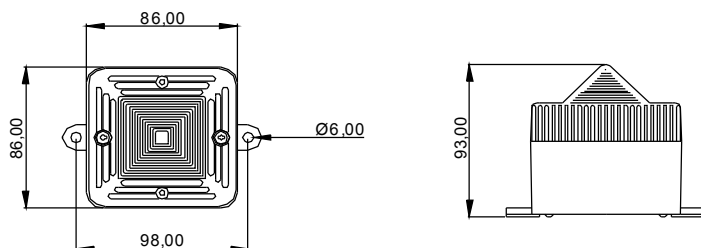
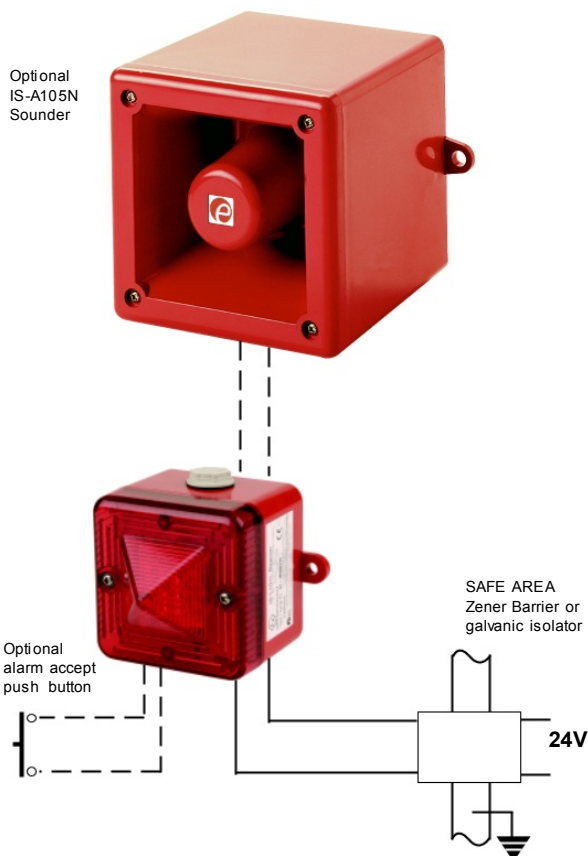
The IS-L101L unit is an intrinsically safe field mounting beacon which provides a bright flashing warning signal in a hazardous area

The unit can be used independently or combined with an E2S IS-A105N 49 tone alarm sounder.

Combination units can utilise a common zener barrier or galvanic isolator and may be coupled together or mounted separately.

When the beacon is used in conjunction with an IS-A105N sounder the alarm accept function can be utilised. By closing a pair of external contacts (i.e push switch) the operator may silence the sounder for set periods between 5 seconds and 2 hours. If after the preset time the alarm condition still exists the sounder will activate again.

- $\text{Ex}$  II 1G EEx ia IIC T4 (+60°C ≤ Ta ≤ -40°C)
- Rated for Zone 0,1 & 2. Gas group IIC.
- Output frequency :  
Alone : 2Hz (2 double flashes per second)  
With IS-A105N sounder:  
On : 1 Hz (1 double flash per second)  
Silenced : 2 Hz (2 double flashes per second) (alarm accepted)
- Voltage : 16-28vdc via Zener barrier or galvanic isolator
- ABS flame retardant UL94V0 housing - Red RAL3000
- Sealed to IP66
- LED colours : Amber, Red , Green & Blue
- Operating temperature : -40 to +60°C  
Storage temperature : -40 to +70°C  
Relative humidity : 95% at 40°C
- Weight : 0.40kg
- SIRA Certified  
Standard : EN50014: 1997+ A1 & A2  
EN50020: 2002  
EN50284: 1999
- ATEX Certificate number : SIRA04ATEX2302X  
IECEX Certificate no.: IECEX SIR 04.0039X  
FM approved
- Installation :  
The unit 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.
- Terminals accept 0.5 to 2.5mm<sup>2</sup> cables.
- Current when powered from 24v supply via 28v 300Ohm Zener barrier.  
Alone : 25mA typical  
With IS-A105N sounder : 35mA typical



The IS-A105N Sounder.  
 $\text{Ex}$  II 1G EEx ia IIC T4  
Zones 0,1 & 2  
ATEX, IECEX, FM



TSP0504-C

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