

# IS-L101L L.E.D. Beacon

## Intrinsically Safe L.E.D Beacon

The IS-L101L unit is an intrinsically safe field mounting beacon which provides a bright flashing warning signal. The unit can be used independently or combined with an IS-A105N 49 alarm sounder. Combination units can utilise a common zener barrier or galvanic isolator and may be coupled together or mounted separately. With the IS-A105N the alarm accept function can be utilised. By closing a pair of external contacts (i.e push switch) the operator may silence the alarm for set periods between 5 seconds and 2 hours. If after the preset time the alarm condition still exists the sounder will activate again.

### Features:

- Input overload and reverse current protection
- Prismatic lens optimises L.E.D effectiveness

### Approvals:

- ATEX certificate: SIRA 04ATEX2302X, EN 60079-0 : 2006, EN 60079-11 : 2007, EN 60079-26 : 2007
- IECEx certificate: IECEx SIR 04.0039X, IEC 60079-0 : 2007, IEC 60079-11 : 2006, IEC 60079-26 : 2006
- FM approved: Class 3600 1998, Class 3610 1999, Class 3810 2005, IEC 60529 : 1989
- GOST-R certificate: POCC GB.JB05.B02205

### Part codes:

IS-L101L-R/[x]

ATEX / IECEx / FM

II 1G Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +60°C)

ss I, Zone 0, AEx ia IIC T4 Ta= +60°C

IS Class I, Division 1, Groups A, B, C, D T4

GOST-R

0ExialICT4 IP65 -40° to +60°C

[x]: Lens colour: A: Amber B: Blue

G: Green R: Red

May be powered from any certified Zener barrier or galvanic isolator whose output parameters do not exceed :

U<sub>o</sub> : 28VDC

I<sub>o</sub> : 660mA

P<sub>o</sub> : 1.2W



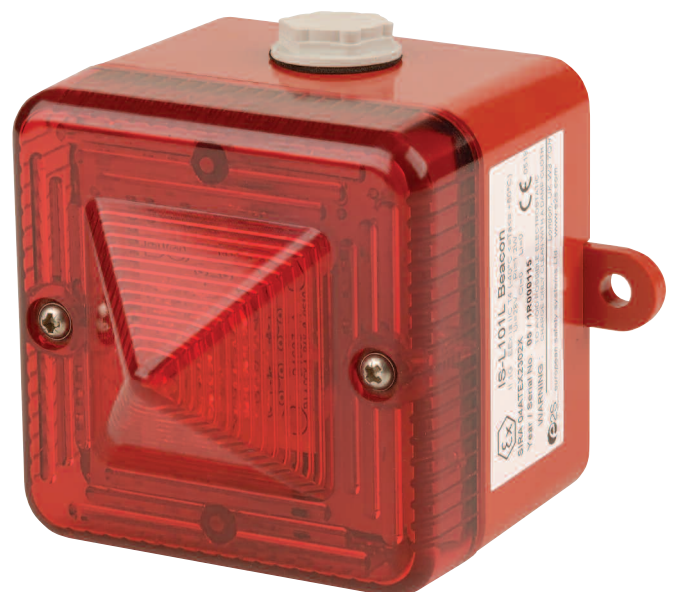
GOST-R

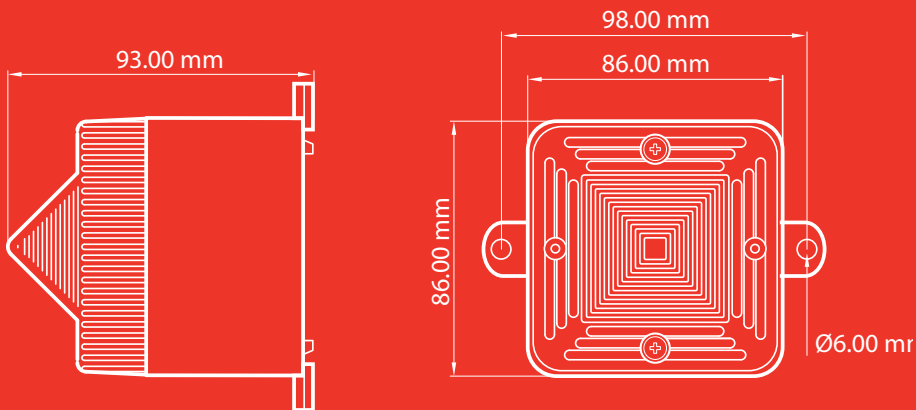


0786-CPD-20338



The IS-L101L can be combined with the IS-A105N intrinsically safe alarm sounder.





### Specification:

Light source:	Array of 6 high intensity L.E.D.'s.
L.E.D. colours:	Red, Amber, Blue & Green
Standalone mode:	2Hz (2 double flashes per second)
Effective intensity cd:	48cd*
With IS-A105N:	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
Current:	Stand alone: 25mA typical With IS-A105N: 35mA typical
Ingress protection:	IP66
Rating:	Continuous
Housing material:	UL94V0 & 5VA FR ABS & PC
Housing colour:	RAL3000 Red
Fixings:	Stainless Steel
Cable entries:	1 x M20 clearance gland knockout.
Terminals:	0.5 to 2.5mm <sup>2</sup>
Operating temp:	-40° to +60°C
Storage temp:	-40° to +70°C
Relative humidity:	90% at 20°C
Weight:	0.40Kg