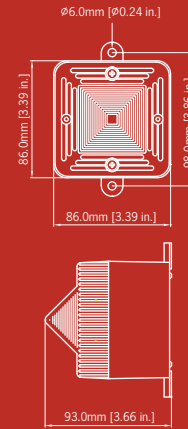


IS-L101L L.E.D. Beacon

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.



Part codes:

IS-L101L-R/[x]	
ATEX / IECEx / FM	
II 1G Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +60°C)	
IS Class I, Zone 0, AEx ia IIC T4 Ta= +60°C	
IS Class I, Division 1, Groups A, B, C, D T4	
GOST-R	
0ExiaIICT4 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 isoator whose output parameters do not exceed :

U _o : 28VDC	I _o : 660mA	P _o : 1.2W
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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 candela:	48cd* - measured ref. to I.E.S.
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 ²
Operating temp:	-40° to +60°C
Storage temp:	-40° to +70°C
Relative humidity:	90% at 20°C
Weight:	0.40Kg

*All candela data is representative of performance with amber lens at optimum voltage.

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.B03365

