

Visual Signals - Intrinsically Safe

LED BEACON



Intrinsically Safe Beacon > IS-B Series

Product overview

This LED Beacon has been approved for use in potentially explosive atmospheres for Group I (Mining) & Group II (Above Ground) applications and incorporates a high Ingress Protected IP66 enclosure.

This range is suitable for Fire, Security, Process Control and general signalling applications.

The beacon has a DIP switch that gives the options to change from a 1 Hz (60FPM) flash rate to a static (constantly On) signal.

A specially designed time saver base enables quick and easy installation of this unit with no extra cabling to be made to the head of the unit.

Connections are made to the base during the initial wiring phase which results in a faster more reliable installation. The beacon head simply twists & clicks into the pre-fixed base on commissioning avoiding any additional wiring & connections. Further details can be found on the installation sheet'

This unit must be used in conjunction with an approved Zener Barrier or Galvanic Isolator. See page 2 for further information & ordering details.

Features/Certifications

- Approved by ATEX, IECEx
- Group I MI Ex ia I Ma
- Group II IGD Ex ia IIC T6 Ga Ex ia IIIC T85°C Da
- Zones 0, 1, 2, 20, 21 & 22
- Conforms to:
EN 60079-0:2012 + A11:2013 (IEC 60079-0:2011)
EN-60079-11:2012 + (IEC 60079-11:2011)
- Diode Polarised & End of line resistor compatible
- White base version available
MOQ apply
- Dustproof & Weatherproof

IS-B Series > Ordering Information

Code No:	Voltage:	Light Source:	Current:
IS-B-02	24v Dc ---	9 LED's	33mA

ADD THE FOLLOWING LENS CODES TO THE PRODUCT WHEN ORDERING



Kg 0.33

°C -40+55

IP 66

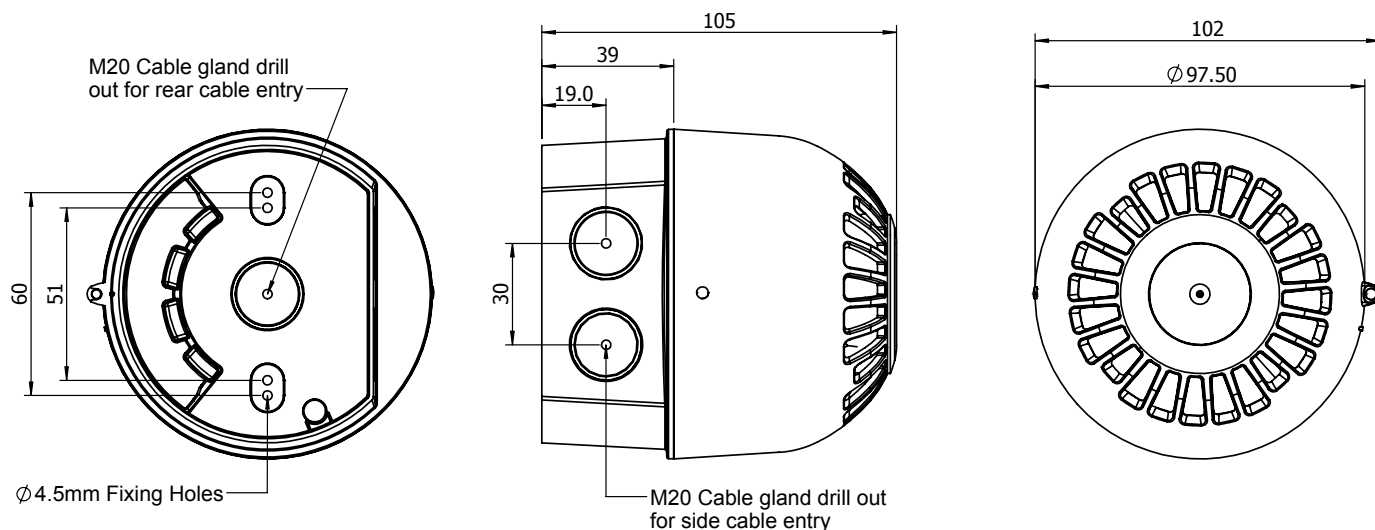
INDUSTRIAL

MARINE

FIRE

APPROVALS and
CONFORMITIES





Intrinsically Safe Beacon > IS-B Series

General Information

EX CODE:	Ex ia I Ma, Ex ia IIC T6 Ga, Ex ia IIIC T85C Da
CERTIFICATION:	ATEX (EMT 17ATEX0013X) IECEx (EMT 17.0003X)
TYPE:	LED Beacon
BEACON:	9 SMT LEDs with either 1Hz Flash Rate or Static (constantly ON) mode
POWER RATING:	0.66 Watts via a suitable barrier
AMBIENT TEMPERATURE:	-40°C to +55°C
HUMIDITY:	>90% at 20°C

Mechanical Specifications

MATERIAL:	Flame Retardant Polycarbonate UL94 V2
BASE COLOUR:	RED as standard White with a 90 off MOQ
WEIGHT:	0.33 Kg / 0.73 lb
DIMENSIONS:	Length: 104mm x 97.5mm / 4.09" x 3.84"
INGRESS PROTECTION:	IP 66

Electrical Specifications

POWER SUPPLY:	The unit must be powered via an approved Zener Barrier or Galvanic Isolator whose characteristics do not exceed Uo: 28v, Io: 93mA, Po: 660mW, Ci: 0, Li 0 The minimum value of Uo should not drop below 23.6v and the minimum value of Io should not drop below 50mA.
TERMINATION:	0.55mm up to 2.5mm
CABLE ENTRY:	3 x M20.

Accessories

50224:	M20 Nylon Cable Gland >IP66 Cable OD 6-12mm
MTL7728+	Zener Barrier
MTL7778AC	Zener Barrier with Reverse Polarity