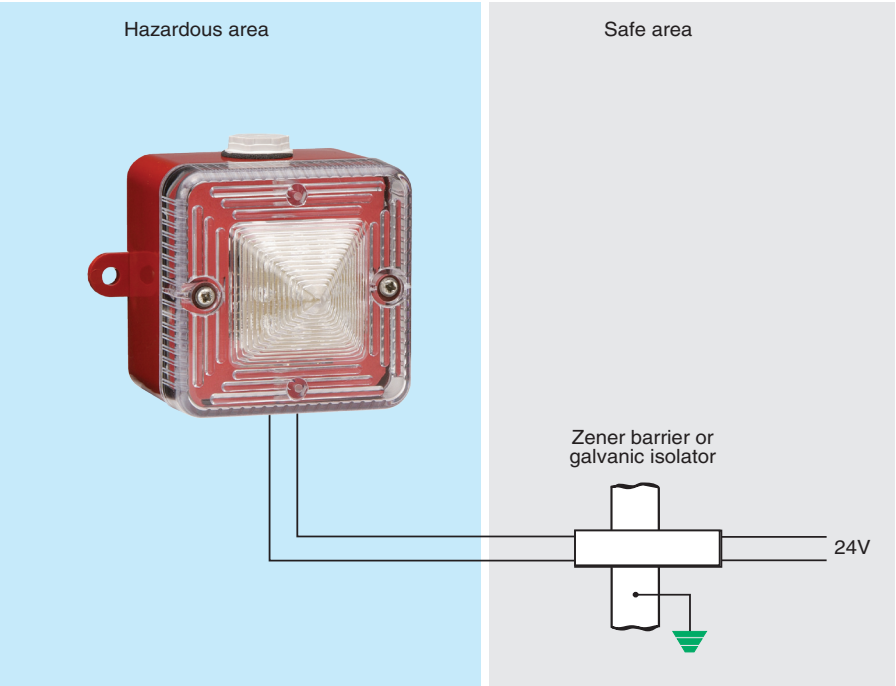


BA386S

LED Steady state beacon

Intrinsically safe for use in all hazardous gas areas

- **Intrinsically safe ATEX, IECEx & FM certification.**
- **Red, amber, green blue & white models.**
- **2 beacons can be powered by 1 barrier or isolator.**
- **IP66 enclosure**
- **3 year guarantee**

The BA386S LED steady state beacon is an intrinsically safe field mounting beacon which produces a bright continuous output in a hazardous area. Models with five different colour outputs are available.

Main application of the BA386S beacon is to provide a visible indication in a noisy hazardous process area where a sounder is not easily identified. The continuous output is particularly useful for status indication. The beacon may be powered from a wide variety of Zener barriers or galvanic isolators and may be controlled by any contact or switchable dc supply in the safe area. The BA386S beacon may also be switched *on* and *off* in the hazardous area by an intrinsically safe relay or any equipment with an intrinsically safe output such as the alarm output of a BEKA indicator or totaliser.

Providing a small reduction in brilliance can be tolerated, two BA386S steady state beacons can be powered in parallel from one common Zener barrier or galvanic isolator. Each beacon can be independently controlled by a separate hazardous area switch, or from the safe area via a diode return barrier.

IECEx and ATEX certification permits installation in Zones 0, 1 or 2. For applications in the USA, the BA386S also has FM intrinsic safety and nonincendive approval.

The flame retardant enclosure provides IP66 protection and is suitable for external mounting in sheltered locations. Cable entry is via two 20mm untapped holes in the opposite sides of the enclosure and there is a 'knock-out' in the rear for an additional entry.

Reliability is ensured by an ISO9001 approved quality control system supported by a three year guarantee. The BA386S is protected from input overloads and reverse connection and complies with the European EMC Directive.

A complementary intrinsically safe flashing beacon is also available. This has five different colour output options and can be used in conjunction with a BA385 sounder to form a combined audio & visual alarm system. See BA385 and BA386 datasheets.

BEKA associates

Sales & Support Distributor:-
Stockshed Limited. Stoneycroft House,
Mud Lane, Eversley. Hampshire. RG27 0QS. U.K. Tel. (0118) 9734955
e-mail info@stockshed.com

SPECIFICATION

Power supply

Voltage	10 to 28V (across terminals 1 & 2) Not damaged by temporary connection to the supply without a Zener barrier or galvanic isolator in circuit.
Current	When powered from 24V supply via 28V 93mA Zener barrier. 25mA typical

Output

Brightness	Equivalent to 0.5 Joule xenon beacon

Intrinsic safety

Europe ATEX

Code	Group II Category 1G Ex ia op is IIC T4 Ga -40°C ≤ Ta ≤ 60°C
Cert. No.	ITS02ATEX2006X

International IECEx

Code	Ex ia op is IIC T4 Ga -40°C ≤ Ta ≤ 60°C
Cert. No.	IECEx ITS 17.0052X

USA FM

Standard	3610 Entity
Code	CL.1, Div. 1, Gp. A, B, C and D CL 1, Zone 0, AEx ia IIC T4
Temperature code	T4 at 60°C
File No	3014996
Standard	3611 Nonincendive.
Code	CL.1, Div. 2, Gp. A, B, C and D CL 1, Zone 2, IIC T4
Temperature code	T4 at 60°C
File No	3014996

Installation

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

Uo	28Vdc
Io	110mA
Po	0.8W

Location: Zone 0, 1 or 2

Environmental

Operating temp	-20 to 60°C (certified for use at -40°C)
Storage temp	-40 to 85°C
Humidity	To 95% @ 40°C
Enclosure	IP66

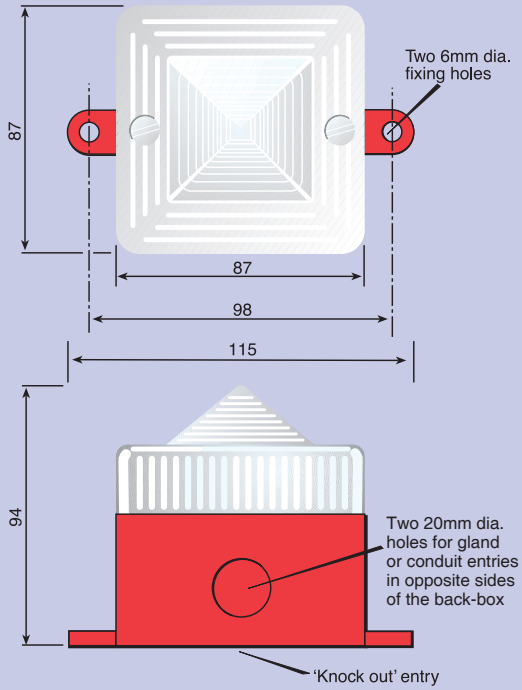
Mechanical

Terminals	Removable with screw clamp for 0.5 to 1.5mm^2 cable.
Weight	0.4kg

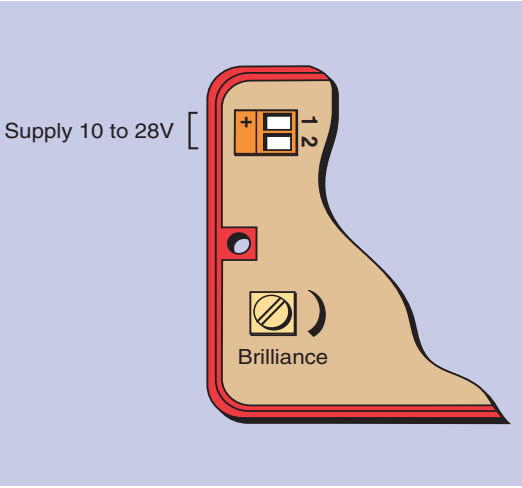
Accessories

Tag strip	Thermally printed tag strip secured by screws.

DIMENSIONS (mm)



TERMINAL CONNECTIONS



HOW TO ORDER

	Please specify
Colour	Model number
Red	BA386SR
Amber	BA386SA
Green	BA386SG
Blue	BA386SB
White	BA386SW

Accessories	**Please specify if required**
Tag strip	Legend