

## 10 JOULE XENON BEACONS - XB13 RANGE

for Harsh Industrial & Marine Environment

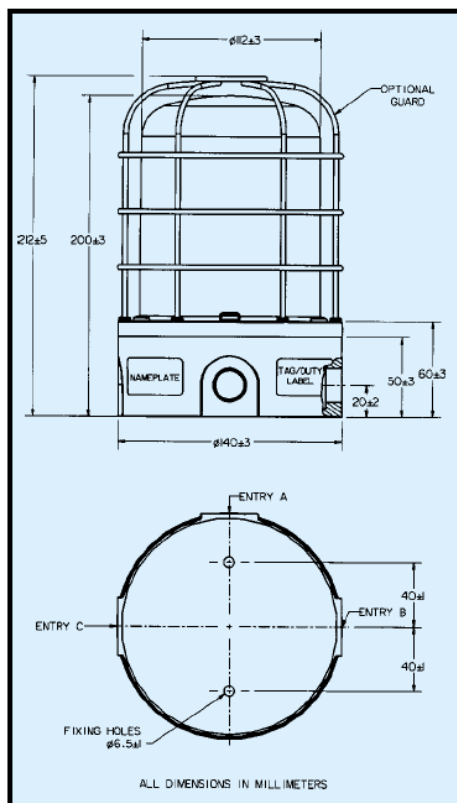


### Introduction

This range of ruggedised, weatherproof beacons, has been designed with high ingress protection to cope with harsh environmental conditions.

- Weatherproof.
- IP66 & IP67.
- Operating temperature  $-55^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .
- Corrosion resistant red GRP body.
- High intensity flash.
- Polycarbonate lens, various colours available.
- Retained stainless steel cover screws.
- Optional lens guard.
- Optional telephone or relay initiate.
- 3 x M20 cable entries.
- Replaceable tube.
- Switchable dual flash.





## Specification

|                        |   |
|------------------------|---|
| Material:              | UV stable glass reinforced polyester body.<br>UV stable polycarbonate cover/lens.<br>Retained stainless steel cover screws. |
| Finish:                | Self coloured red as standard or epoxy coated to Customer's specification.  |
| Tube Energy:           | 10 Joules (second flash 7.5 Joules).  |
| Weight:                | 1.1kg,  |
| Operating Temperature: | -55°C to +70°C.   |
| Ingress Protection:    | IP66 & IP67.  |
| Tube Life:             | >1 x 10 <sup>6</sup> flashes.   |
| Voltage:               | 12V d.c., 24V d.c., 115V a.c., 230V a.c.  |

|                      |           |                     |
|----------------------|-----------|---------------------|
| Current Consumption: | Voltage   | Current Consumption |
|                      | 12V d.c.  | 1.4A                |
|                      | 24V d.c.  | 650mA               |
|                      | 115V a.c. | 180mA               |
|                      | 230V a.c. | 100mA               |

|                  |   |
|------------------|---|
| Tube Type:       | Xenon discharge.  |
| Lens Colour:     | Various colours available.  |
| Terminals:       | 8 x 2.5mm <sup>2</sup> .  |
| Flash Rate:      | 1 flash per second.   |
| Dual Flash Rate: | Time between dual flashes = 0.5 seconds.<br>Charging time = 1 second.<br>Cycle repeats every 1.5 seconds. |
| Labels:          | Duty and tag labels available.  |
| Cable Entries:   | Up to 3 x M20 via knockouts.  |
| Intensity:       | Effective intensity 220 Cd. Peak intensity 75,000 Cd.<br>(Figures are for clear lens at 1Hz flash rate).  |

### FOR COLOURED LENSES

|                    |      |      |       |       |        |
|--------------------|------|------|-------|-------|--------|
| Colour             | Red  | Blue | Amber | Green | Yellow |
| Multiplying Factor | 0.15 | 0.12 | 0.51  | 0.49  | 0.86   |

## Ordering Requirements

The following code is designed to help in the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box. **Standard products available ex-stock as follows:**

**XB13024RNNN** Weatherproof, 10J, 24V d.c., red lens, natural red body.

**XB13024ANNN** Weatherproof, 10J, 24V d.c., amber lens, natural red body.

**XB13230RNNN** Weatherproof, 10J, 230V a.c., red lens, natural red body.

**XB13230ANNN** Weatherproof, 10J, 230V a.c., amber lens, natural red body.

| Unit Type               | Voltage  | Lens Colour          | Lens Guard           | Options              | Unit Finish          |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
|-------------------------|--|----------------------|----------------------|----------------------|----------------------|----------|-----|-----------|-----|-----------|-----|---|--------|------|-----|---|------|---|-------|---|--------|---|-------|---|-------|---|---|-------|------|-----|---|------|---|---|--------|------|------|----|-----|----|--------------------|---|----------------|---|------|---|-------------------------|--|--|--------|------|-------------|---|---------|----|-----------------|--|
| XB13                    | <input type="text"/>   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
|                         | <table border="1"> <tr><th>Voltage</th><th>Code</th></tr> <tr><td>12V d.c.</td><td>012</td></tr> <tr><td>24V d.c.</td><td>024</td></tr> <tr><td>115V a.c.</td><td>115</td></tr> <tr><td>230V a.c.</td><td>230</td></tr> </table> | Voltage              | Code                 | 12V d.c.             | 012                  | 24V d.c. | 024 | 115V a.c. | 115 | 230V a.c. | 230 | <table border="1"> <tr><th>Colour</th><th>Code</th></tr> <tr><td>Red</td><td>R</td></tr> <tr><td>Blue</td><td>B</td></tr> <tr><td>Green</td><td>G</td></tr> <tr><td>Yellow</td><td>Y</td></tr> <tr><td>Amber</td><td>A</td></tr> <tr><td>Clear</td><td>C</td></tr> </table> | Colour | Code | Red | R | Blue | B | Green | G | Yellow | Y | Amber | A | Clear | C | <table border="1"> <tr><th>Guard</th><th>Code</th></tr> <tr><td>Yes</td><td>Y</td></tr> <tr><td>None</td><td>N</td></tr> </table> | Guard | Code | Yes | Y | None | N | <table border="1"> <tr><th>Option</th><th>Code</th></tr> <tr><td>Duty</td><td>D*</td></tr> <tr><td>Tag</td><td>T*</td></tr> <tr><td>Telephone Initiate</td><td>I</td></tr> <tr><td>Relay Initiate</td><td>R</td></tr> <tr><td>None</td><td>N</td></tr> <tr><td colspan="2">*Please specify wording</td></tr> </table> | Option | Code | Duty | D* | Tag | T* | Telephone Initiate | I | Relay Initiate | R | None | N | *Please specify wording |  | <table border="1"> <tr><th>Colour</th><th>Code</th></tr> <tr><td>Natural Red</td><td>N</td></tr> <tr><td>Special</td><td>S*</td></tr> <tr><td colspan="2">*Please specify</td></tr> </table> | Colour | Code | Natural Red | N | Special | S* | *Please specify |  |
| Voltage                 | Code   |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| 12V d.c.                | 012  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| 24V d.c.                | 024  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| 115V a.c.               | 115  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| 230V a.c.               | 230  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Colour                  | Code   |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Red                     | R  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Blue                    | B  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Green                   | G  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Yellow                  | Y  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Amber                   | A  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Clear                   | C  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Guard                   | Code   |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Yes                     | Y  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| None                    | N  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Option                  | Code   |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Duty                    | D*   |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Tag                     | T*   |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Telephone Initiate      | I  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Relay Initiate          | R  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
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| *Please specify wording |  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Colour                  | Code   |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Natural Red             | N  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| Special                 | S*   |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |
| *Please specify         |  |                      |                      |                      |                      |          |     |           |     |           |     |   |        |      |     |   |      |   |       |   |        |   |       |   |       |   |   |       |      |     |   |      |   |   |        |      |      |    |     |    |                    |   |                |   |      |   |                         |  |  |        |      |             |   |         |    |                 |  |

## Supplied by:

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