

The B200 Series R65 LED Beacon features powerful LED's arranged to produce a 360° flash pattern, with a flash rate of 125FPM for maximum visibility. This Beacon is suitable for applications where the UK lighting regulation Chapter 8 is a requirement. Combining the solid state, maintenance free and long life nature of LED technology with a proven tough housing design. This ECCO Group Europe, UK produced beacon is designed to maximise resilience to excessive vibration and increase the life of the product whilst offering a premium aesthetic appeal.



**⚠ WARNING!** Failure to install or use this product according to manufacturer's recommendations may result in property damage, serious injury, and/or death to those you are seeking to protect!



**Do not install and/or operate this safety product unless you have read and understand the safety information contained**

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of you and those you are seeking to protect.
2. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation are vital to the performance of this warning device. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so that s/he can operate the system without losing eye contact with the roadway.
5. Do not install this product or route any wires in the deployment area of an air bag. Equipment mounted or located in an air bag deployment area may reduce the effectiveness of the air bag or become a projectile that could cause serious personal injury or death. Refer to the vehicle owner's manual for the air bag deployment area. It is the responsibility of the user/operator to determine a suitable mounting location ensuring the safety of all passengers inside the vehicle particularly avoiding areas of potential head impact.
6. It is the responsibility of the vehicle operator to ensure during use that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles or other obstructions.
7. The use of this or any other warning device does not ensure all drivers can or will observe or react to a warning signal. Never take the right-of-way for granted. It is your responsibility to be sure you can proceed safely before entering an intersection, driving against traffic, responding at a high rate of speed, or walking on or around traffic lanes.
8. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding warning signal devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.

**Important!** This unit is a safety device, and it must be connected to its own separate, fused power point to assure its continued operation should any other electrical accessory fail.

**Caution:** When drilling into any vehicle surface, make sure the area is free from any electrical wires, fuel lines, vehicle upholstery, etc. that could be damaged

**Caution:** The Magnet Mount is not recommended for use on a moving vehicle, nor is it intended as a permanent mount for the light. Long duration usage of the magnet in the presence of moisture will cause the steel to rust.

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### **Wire functions are as follows:**

**Black Wire:** Negative. Connect to either the battery negative terminal or a suitable chassis point.

**Red Wire:** Power. Switch to battery positive to operate the module. Must be powered through the fuse, located as close to the battery terminal as possible.

### **Mounting Position**

Ensure that the mounting position selected is in accordance with national and local legal requirements. The light from the beacon should be visible from any point at a reasonable distance from the vehicle. The beacon base should be parallel with the ground and fitted to the flattest part of the vehicle roof, on the longitudinal centre line.

If radio equipment is fitted to the vehicle, a MINIMUM distance of 500mm between the beacon and the antenna is required.

### **Electronic Compatibility (EMC)**

This product is approved to ECE Regulation 10-04 (EMC). However, it is good practice to route product supply cables away from sensitive cables (eg. Radio, aerials, anti-lock braking systems etc). If this is not possible, cross cables at right angles.

### **3 Bolt and 1 Bolt Beacons**

Chose a surface that meets the mounting position requirements.

Drill holes in the vehicle panel using the template as a guide.

The 1 Bolt beacon requires only one 12.7mm diameter hole.

Pass the cable through the hole in the vehicle panel and secure the beacon in place.

Tighten fixings to recommended torque figure shown on the template.

Disconnect the battery before wiring up the beacon.

This beacon should be connected using cables of not less than 0.5 mm<sup>2</sup> cross sectional area.

Connect the red cable to a switched, positive supply protected by a fuse rated at 3 Amps.

Connect the black cable to the vehicle negative (earth).

### **Plug-in Beacons**

Push the beacon fully onto adaptor socket and tighten wing-nut using hand pressure only. If not fitted, locate the adaptor socket (part number 13109 series) in a position that meets the mounting requirements. The beacon should be connected using cables of not less than 1 mm<sup>2</sup> cross sectional area. Connect the centre contact of the adaptor socket to a switched, positive supply, protected by a fuse rated at 3 Amps. Connect the body of the adaptor socket to the vehicle negative (earth).

### **Magnetic Beacons**

The vehicle panel must be of steel construction and covered only with the manufacturers normal paint finish. The area for mounting must be dry and clean. This beacon relies on the force of the magnet to hold it in position on the vehicle.

The magnetic beacons have been wind tunnel tested to establish the wind speed at which they may become detached. However, Because of environmental conditions such as cross winds, rain, snow and ice, Britax apply a 3:1 safety factor and would recommend that the beacon is not used at vehicle speeds in excess of the maximum stated on the product label.

The cable assembly is provided with a plug to insert into the cigar lighter socket mounted within the vehicle. The plug can also be fitted into a DIN 72591 single socket by removing the adaptor sleeve.

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## Electronics Controls Company "ECCO" (Manufacturer)

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