

# Over-Height Vehicle Detection



From January to September 2010 the number of bridge strikes at Network Rail bridges over roads reported was 1300.

Each bridge strike brings risk to the safety of train passengers and railway workers, damages bridges, and can result in the death or serious injury of the driver or passengers of the vehicle involved.

The Over-height Vehicle Detection System from Dorman delivers a complete solution which alerts drivers of over height vehicles to low bridges or structures ahead by combining under-surface loop detection and over-height beam detection.

- **Instant Warning Sign to Over Height Vehicles**  
The sign is only activated by over-height vehicles, at all other times it is in covert mode.
- **Advanced Driver Warning**  
The advanced warning sign alerts drivers to the restricted height bridge ahead and provides an instruction to turn back.
- **Reduced Risk of Overheight-Vehicle Collisions**  
increasing passenger safety on double deck buses



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**The UK manufactured Over-Height Vehicle Detection Signs, coupled with the height detection beam inductive under surface detection system, greatly reduces the risk of bridge strikes by alerting drivers of over height vehicles to turn back.**

## Features

Spurious warnings are eliminated by using a combination of separate road loop and laser systems.

If a system fault is detected the sign illuminates to provide a constant warning as a back up.

The system operates using a laser height detector which triggers a signal to the controller if an unexpected return is detected in the beam area

To ensure spurious warnings are not generated by flying birds, debris etc., the sign will only trigger if in addition to the laser detection a vehicles presence is detected by the road loop.

The laser is eye safe and is classed as a Class I device.

The laser unit is sealed to IP67 and has an operating temperature of -10 to +60° Celsius.

### Contact Details:

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