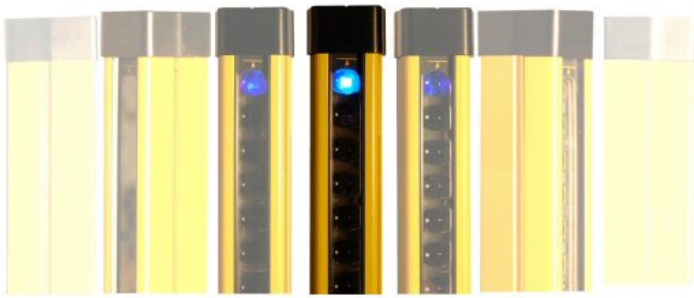


Blueview Alignment system

Information Sheet



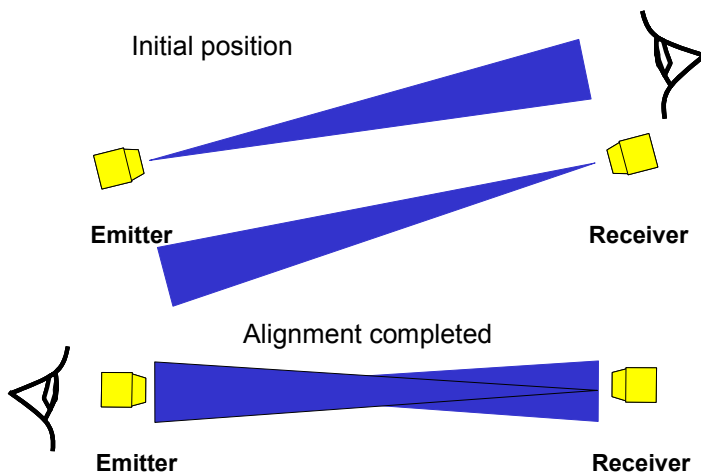
Features

- Quick and easy alignment tool
- Aligns both emitter and receiver
- Constant visible check of alignment

Blueview is a simple but very effective way of optically aligning Guardscan light curtains. In order to work reliably the emitter and receiver units of all infrared safety light curtains need to be optically aligned correctly. Often, during initial installation or after the light curtain has accidentally been knocked out of alignment, this can be difficult to do simply because the infrared light is invisible and the beams have such small diameters. The Blueview system overcomes this by passing the light from harmless blue LEDs through the same lenses as those used in the infrared curtain. It is then quite simple to look at the LEDs and find their optical alignment axes. Aligning the blue LEDs will then automatically align the infrared curtain. This means that anyone, even a non-specialist, can quickly identify and correct any alignment problems and get machinery back into production.

Blueview uses 4 LEDs built into the emitter and receiver units, one each at the top and bottom of the emitter and one each at the top and bottom of the receiver. This allows the curtain to be aligned not only so that the emitter is positioned to transmit the maximum signal towards the receiver but also so that the receiver is in alignment for the optimum focus position to receive it.

Once the emitter and receiver units have been initially positioned it is possible to look back at the emitter from the receiver end and find the position where the top blue LED appears brightest. If this is to the right of the receiver, the emitter needs to be turned to the left. If it is higher than the top of the receiver, the emitter needs to be tilted down, and so on. The receiver can be aligned by looking back from the emitter end and repeating the procedure.



Available on all B Series 30mm detection, 70mm detection and Multibeam systems

Note: Blueview uses normal LEDs, which are harmless under normal circumstances. However, as with any light source, users should avoid prolonged staring at the LEDs from close range.

GB 03/06



www.tapeswitch.co.uk

Tapeswitch Ltd

Unit 38 Drumhead Road Chorley North Industrial Park Chorley Lancashire PR6 7BX

Tel: +44 (0)1257 249777 Fax: +44 (0)1257 246600 Email: info@tapeswitch.co.uk

GUARDSCAN