

B Series Technical Information



Guardscan light curtains combining precision design and leading edge technology to provide industrial machine shop safety.

Product Range

14mm detection
length min 200mm - max
1200mm

30mm detection
length min 200mm - max
1800mm

70mm detection
length min 600mm - max
1800mm

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B Series Light Curtain



The B Series is a Type 4 light curtain which has been designed to be the ideal solution for the widest range of industrial machine shop safety applications. It is the result of a comprehensive design programme carried out to create a compact, intelligent light curtain capable of responding to the current and future needs of industry.

The B Series consists of only two small units, the emitter and receiver which produce a fail-safe infra-red curtain across the area to be protected. The scan is optically synchronised by one of the beams and so there is no need for a third electronic unit or any connecting cables between the light curtain units.

B Series Light Curtain Technical Specification

Technical Specification	
Detection capability	14mm, 30mm, 70mm
Curtain lengths	Up to 1800mm
Cross section	45mm x 36mm
Response time	< 18ms
Operating range	6m (14mm), 15m (30mm & 70mm)
Wavelength	880nm
Enclosure rating	IP65
Effective aperture angle	+/- 2½ degrees
Power consumption	< 12VA
Safety outputs	2 x PNP (fail-safe) 250mA @ 24Vdc

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