

Type B2, B3 & B4 Perimeter Access Guarding Systems

Tapeswitch **Type B2, B3, & B4 Perimeter Access Guarding Systems** are designed for safety and security applications. These photoelectric devices use light curtain technology but with multiple beams and wider beam spacing. They are typically used for guarding hazardous areas such as automated work cells or monitoring access or traffic in secure locations. The models differ in the number of beams and the beam spacing.

Type B Perimeter Access Guarding units provide the same high level category 4 safety integrity as the B-Series safety light curtains. To simplify installation, the emitter and receiver pair make up a self-contained system which is capable of safety functions without additional equipment.



Features & Benefits

- Available with 2, 3 or 4 beams
- 2-unit system does not require a controller
- Easily interfaces with external devices
- Redundant fail-safe PNP outputs
- Rugged one-piece extruded aluminum housing
- EN 61496 type 4 design
- CE certified and marked

General Specifications

| | |
|-----------------------|---|
| Operating Distance | 0.5 m to 30 m |
| Curtain Lengths | up to 1.8 m (6 ft) |
| Safety Outputs | 2 x PNP (fail-safe) 500 mA @ 24 Vdc max. |
| Response Time | <18 ms |
| Aperture Angle | ± 2 degrees |
| Operating Temperature | 0 to 50 °C (32 to 122 °F) |
| Enclosure Rating | IP65 |
| Cross Section | 45 mm (1-3/4") x 35 mm (1-3/8") |
| Weight | 200 g (7 oz) per 100 mm |
| Wavelength | 880 nm |
| Radiation Intensity | Class 1 LED product per (IEC 60825-1) |

Laser Alignment Tool

The laser alignment tool is an accessory which can be used in conjunction with the B Series Perimeter Access Guarding System. It provides a visual indication of the alignment of the sensing units and is extremely useful in aiding the installation of the light curtains over longer operating ranges.



B-Series Perimeter Access Guards

| Model | Beam Spacing | No. of Beams | Curtain Length | P/N |
|-------|--------------|--------------|-----------------|------|
| B2 | 500 mm | 2 | 680 mm (26.8") | 0930 |
| B3 | 400 mm | 3 | 980 mm (38.6") | 0929 |
| B4 | 300 mm | 4 | 1080 mm (42.5") | 0928 |