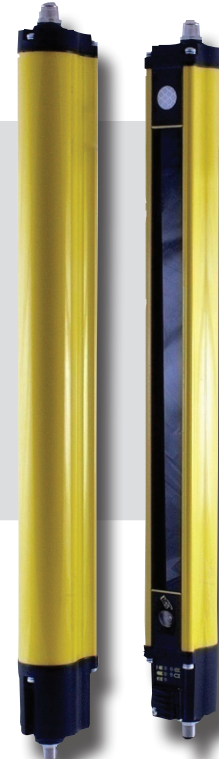


GuardShield™ Safety Light Curtains with Integrated Laser Alignment



Enhanced flexibility with visible laser for easing alignment and DeviceNet™ safety connectivity option

The Allen-Bradley Guardmaster GuardShield™ safety light curtain is an economical, fully featured, Type 4 safety light curtain in a uniquely styled housing. GuardShield safety light curtains are general purpose presence sensing devices designed for use on hazardous machinery providing point of operation, as well as perimeter and access guarding. The latest additions to the GuardShield line are the integrated Class 1, eye-safe laser alignment system in standard, cascadeable and PAC models. These new models also have an option of connectivity to ArmorBlock™ Guard IO modules allowing the Guard Shield's OSSDs (output signal switching device) to operate over a DeviceNet™ safety network. This enhanced functionality adds flexibility for a wide range of machine guarding applications.



GuardShield reliability and functionality, with added flexibility

Like its standard GuardShield counterpart, the GuardShield with integrated laser alignment safety light curtain is a self-contained, two box safety light curtain with DIP switch selectable operating modes. Available in both 14 mm and 30 mm resolutions in protected heights from 320 mm to 1600 mm these new GuardShield light curtains offer an easy alignment solution at installation or realignment if a light curtain or corner mirror is inadvertently misaligned during the course of operation.

With integrated laser alignment, these GuardShield light curtains are offered with an option for connectivity to 1732DS ArmorBlock Guard IO modules. They are also configurable at the receiver by dip switch selection which allow the OSSDs to operate over a DeviceNet safety network.

The constantly powered Class 1 eye-safe lasers are designed to switch from a low level of visible laser light

to a highly visible laser light beam when the laser is temporarily blocked. The light beam reverts back to a low level of emission after 5 minutes or when temporarily blocked.

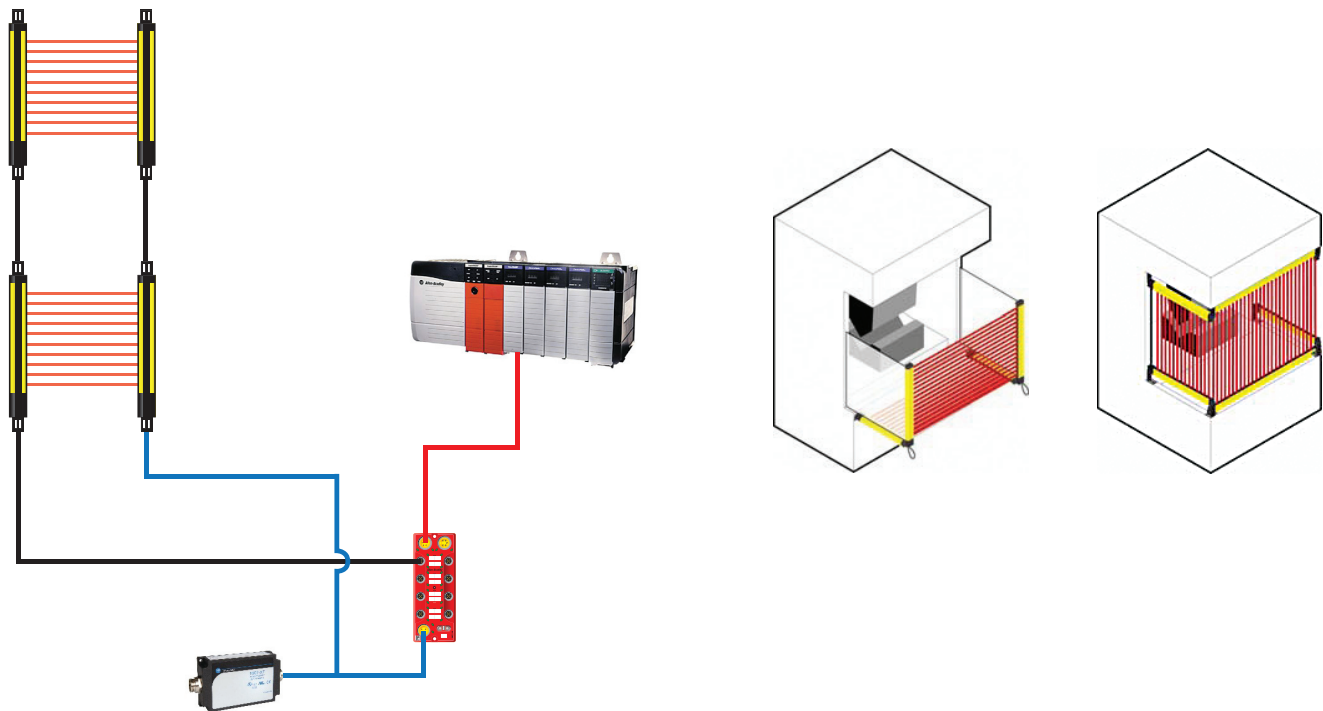
GuardShield safety light curtains are ordered as pairs (transmitter and receiver) and are shipped under a single catalog number for ease of selection.

Features

- Constantly powered, Class 1 eye-safe visible lasers.
- Two integrated visible laser beams are easily activated by placing a finger in front of the laser which activates the visible laser beam. This beam is intended to be located on a target in the opposite light curtain segment providing a quick and easy means of aligning a GuardShield light curtain pair.
- Integrated laser alignment systems are offered in standard and cascadeable GuardShield with protective heights from 320...1600 mm in both 14 mm and 30 mm resolutions as well as in GuardShield PAC 2 and 3 beam light curtains.
- DIP switch selectable operating modes.
- Ordered as pairs (transmitter and receiver) and shipped under a single catalog number.
- Type 4, EN61496. SIL 3, IEC 61508. PL e, EN/ISO 13849.
- A global safeguarding solution that meets EN61496 and UL61496. The GuardShield carries a CE mark with 3rd party approval by TÜV.

LISTEN.
THINK.
SOLVE.®

Application Examples



Ordering Information

Standard and Cascadeable GuardShield with Integrated Laser Alignment and Standard or I/O Connectivity

Protected Height [mm (in.)]	Resolution [mm (in.)]	Number of Beams	Catalog Number	Protected Height [mm (in.)]	Resolution [mm (in.)]	Number of Beams	Catalog Number
320 (12.6)	14 (0.55)	32	440L-*4JL0320Y+	320 (12.6)	30 (1.18)	16	440L-*4KL0320Y+
480 (18.9)	14 (0.55)	48	440L-*4JL0480Y+	480 (18.9)	30 (1.18)	24	440L-*4KL0480Y+
640 (25.2)	14 (0.55)	64	440L-*4JL0640Y+	640 (25.2)	30 (1.18)	32	440L-*4KL0640Y+
800 (31.5)	14 (0.55)	80	440L-*4JL0800Y+	800 (31.5)	30 (1.18)	40	440L-*4KL0800Y+
960 (37.8)	14 (0.55)	96	440L-*4JL0960Y+	960 (37.8)	30 (1.18)	48	440L-*4KL0960Y+
1120 (44.1)	14 (0.55)	112	440L-*4JL1120Y+	1120 (44.1)	30 (1.18)	56	440L-*4KL1120Y+
1280 (50.4)	14 (0.55)	128	440L-*4JL1280Y+	1280 (50.4)	30 (1.18)	64	440L-*4KL1280Y+
1440 (56.7)	14 (0.55)	144	440L-*4JL1440Y+	1440 (56.7)	30 (1.18)	72	440L-*4KL1440Y+
1600 (63)	14 (0.55)	160	440L-*4JL1600Y+	1600 (63.0)	30 (1.18)	80	440L-*4KL1600Y+

Note: To select a GuardShield standard pair replace the * with a "P" or to select a cascadeable pair replace the * with a "C" in the part number.
To select a GuardShield with standard connectivity replace the + in the part number with a "D" or an "A" for I/O connectivity.

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