

GuardShield™ Safe 4 Safety Light Curtain

Type 4 Economical Safety Light Curtain

Features:

- Integrated Laser Alignment System, visible top and bottom laser eases installation and adjustment if misaligned during use
- Quicker, easier installation
- Optically synchronized
- 5 Pin M12 connectors
- Full range of protective heights (120mm to 1920mm in 120mm increments)
- Simple, basic, economical Type 4 safety light curtain
- IP65 for a variety of application environments
- Ordered as pairs (transmitter and receiver) and shipped under a single catalog number
- A global safeguarding solution that meets IEC61496 and UL61496 and is CE marked by TÜV



The new Allen-Bradley GuardMaster® GuardShield™ Safe 4 safety light curtains are equipped with an Integrated Laser Alignment System, allowing for simplified set up and installation. The first of its kind in the GuardShield safety light curtain presence sensing device family.

Like its standard GuardShield counterpart, the GuardShield Safe 4 safety light curtains are a self-contained, optically synchronized, two box safety pair. Available in both 14 mm and 30 mm resolutions, the GuardShield Safe 4 is offered in a number of protective heights ranging from 120mm up to 1920mm in increments of 120mm.

The Integrated Laser Alignment system is comprised of two active laser elements located at the top and bottom of the GuardShield Safe 4; one is at the top of the transmitter and the other at the bottom of the receiver. These visible laser beams are constantly powered but do not transmit light until a finger has touched the transmitting element (a finger symbol is provided to indicate the area to be touched for activation of each transmitting element). Simply touching the element after alignment is complete will turn off the visible alignment beams.

The GuardShield Safe 4 safety light curtains are delivered with basic ON / OFF functionality making it an economical, cost effective machine guarding solution when simple ON / OFF functionality is all that is required for the application. If more functionality is desired, the GuardShield Safe 4 can also be connected to the new MSR 42 multi-function safety module using the optical interface and configuring modes such as Start / Re-Start Interlock, External Device monitoring, Start Release and Muting.

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SOLVE.™

Ordering Information

A GuardShield Safe 4 safety light curtain system is comprised of a pair of GuardShield Safe 4 safety light curtains (Transmitter and Receiver), two 5 conductor transmitter and receiver cables, both offered in 2, 5, 10, 15, 20 and 30 meter lengths. Mounting brackets supplied with each safety light curtain pair. When connected to an MSR 126 basic safety relay module or the widely used MSR 127 safety relay module, this economical safety system provides basic protection of personnel around hazardous machinery.

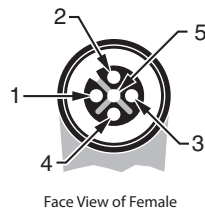
Product Selection and Specifications

Protective Height mm (in.)	14mm (0.55in.) Number of Beams	30mm (1.18in.) Number of Beams	Pair Weight (kg)	Catalog Number
120 (4.7)	16	8	1.0	445L-P4*0120YD
240 (9.4)	32	16	1.4	445L-P4*0240YD
360 (14.2)	48	24	1.8	445L-P4*0360YD
480 (19.9)	64	32	2.2	445L-P4*0480YD
600 (23.6)	80	40	2.6	445L-P4*0600YD
720 (28.3)	96	48	3.0	445L-P4*0720YD
840 (33.1)	112	56	3.5	445L-P4*0840YD
960 (37.8)	128	64	4.0	445L-P4*0960YD
1080 (42.5)	144	72	4.0	445L-P4*1080YD
1200 (47.2)	160	80	4.5	445L-P4*1200YD
1320 (52.0)	176	88	5.0	445L-P4*1320YD
1440 (56.7)	172	86	5.5	445L-P4*1440YD
1560 (61.4)	188	94	6.0	445L-P4*1560YD
1680 (66.1)	204	102	6.5	445L-P4*1680YD
1800 (70.9)	220	110	7.0	445L-P4*1800YD
1920 (75.6)	236	118	7.5	445L-P4*1920YD

* L is 14mm and S is 30mm

Note: The catalog numbers listed above are pair part numbers designated by the "P" in the catalog number. To specify a transmitter or receiver, substitute the P with a "T" for transmitter or an "R" for a receiver

Patch Cord/Connector Ordering Information Transmitter and Receiver Cordsets



Description	Catalog Number
Unshielded 5-pin M12 cordset	889D-F5AC-*
Shielded 5-pin M12 cordset	889D-F5EC-*

*Replace symbol with 2 (2m), 5 (5m), 10 (10m), 15 (15m), 20 (20m), or 30 (30m) for standard cable lengths.

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