

Two Component Design Eliminates Control Box



RPH-4 safety lights feature a two component system that does not require a separate control box. State of the art circuitry allows the transmitter and receiver to be wired directly into the safety relay inside your control cabinet or PLC. An internal diagnostic circuit continuously monitors the operation of the lights for maintaining their UL and CE safety certification. These lights also carry a category 4 safety rating – the highest level attainable by the international safety council. Standard protection heights range from 12 to 50 inches with beam spacing of 9 or 15mm. The lights can be programmed for either fixed or floating blanking with the SC-11 hand-held control module.

Features

- 9 or 15mm beam spacing
- UL and CE approved
- Detection range up to 30 feet
- Protection heights from 12 to 50 inches
- Self checking control reliability
- LED indication of light intensity to aid in alignment
- Pre-wired to accept multiple light applications
- Auxiliary output for PLC connection
- Complies with OSHA, ANSI, IEC61496-1, EN61496-1 safety requirements

Applications

- Stamping Presses
- Conveyors
- Welding
- Automation Lines
- Robots
- Transfer Equipment
- Assembly Machines
- Perimeter Guarding



ORDERING INFORMATION

9MM BEAM SPACING 14MM Minimum Object Sensitivity

Protection Height (In Inches)	Model
12"	H12RPH414
18"	H18RPH414
24"	H24RPH414
30"	H30RPH414
36"	H36RPH414
50"	H50RPH414

15MM BEAM SPACING 25MM Minimum Object Sensitivity

Protection Height (In Inches)	Model
12"	H12RPH425
18"	H18RPH425
24"	H24RPH425
30"	H30RPH425
36"	H36RPH425
50"	H50RPH425

Additional lengths available. Please contact factory.

Each set of lights includes one transmitter, one receiver and 23" inter-connect cable.

Double ended cables for series connection available.

OPTIONS: SC11 Blanking Module, HMK-24 Power Supply, HM-301-DC-24 Safety Relay



Fixed and floating blanking is available with the SC11 module. Key features of this module include numerical indication of blanked beams, memory storage, download capability and password protection.

SPECIFICATIONS

Supply voltage	24 VDC \pm 10%
Light source	Infrared LED (870 nm wavelength)
Response time	10-15 msec
Beam spacing	9 or 15mm
Scan distance	up to 33 feet
Certified compliance	OSHA, ANSI, 1EC61496-1, ENC61496-1 and UL508



ATTENTION!

The purchaser has the responsibility to ensure that this presence sensing safety device is properly installed. Before operating any protected equipment it must be determined that the machine will stop in less time than it takes an operator to interrupt the light curtain and reach the danger point as per OSHA Standard 1910.217 distance formula. If the light curtain does not protect all accesses to the danger point, the unprotected area must be guarded by other approved devices or means in accordance with OSHA 1910.217 and ANSI 811 (Section 2). Do not use this device on a full revolution clutch press.



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