

CPS-RPEN4

MONITORED RETRO-REFLECTIVE PHOTO EYE



Reflective Photo Eye Technology

LiftMaster's® CPS-RPEN4 Monitored Retro-Reflective Photo Eye is the versatile, flexible solution for commercial garage doors. The built-in polarized beam offers exceptional reliability by reducing interference from shiny objects. The simple turnkey solution requires power on one side only, and the NEMA 4X enclosure protects electronics from the environment. Our photoelectric eyes and edge sensor models are UL/cUL Listed for use with all LiftMaster Commercial Door Operators. The CPS-RPEN4 can be used as a primary and/or ancillary entrapment device and meets UL 325 2010 safety standards.

- Polarized beam for use in applications with highly-reflective surfaces
- NEMA 4X enclosure protects against direct water-spray and corrosion
- Retro-reflective sensor with horizontal alignment
- For indoor/outdoor use
- Maximum range of 50 feet
- When the sensor light is off, the eye is correctly aligned

UL 325 requires all commercial door operators to be either constant pressure to close or be equipped with a primary external monitored entrapment protection device. The CPS-RPEN4 meets this requirement. Failure to use the appropriate sensor or failure to install the sensor properly, may expose the installer and customer to liability, should an accident occur.

LiftMaster's full line of Monitored Photo Eyes



CPS-UN4

CPS-RPEN4

CPS-OPEN4

CPS-U

Available Accessories:



Interface Card (CPS3CARD)

Provides the option of adding a second set of monitored photo eyes or a monitored edge to a door opening. For extra door protection.

CPS-RPEN4

MONITORED RETRO-REFLECTIVE PHOTO EYE

SPEC SHEET

STANDARD SPECIFICATIONS

DIMENSIONS

Photo Eye
 Length: 1.6"
 Width: 1.4"
 Height: 3.8"
 Reflector
 Length: 0.6"
 Width: 2"
 Height: 3.43"

WARRANTY

One year limited warranty

TECHNICAL SPECIFICATIONS

Maximum Range: 15m/50ft.
 Minimum Usable Distance: 1.52m/5ft.

Outdoor Rating
 IP65, NEMA 4X

Temperature Range
 -30° – 60°C, -22° – 140°F

Terminal Interface
 Monitored 2-Wire (polarized)

Response Time
 30 ms

Wake Up Delay
 500 ms

Connection
 6.5ft. cable, fine stranded,
 crimp terminals end
 wire size 30AWG

COMPATIBILITY

Logic 5.0/Logic 4
 Medium-Duty Logic
 FDC, FDCL, FDOA & FDOB

QUICK INSTALL GUIDE

PREPARE

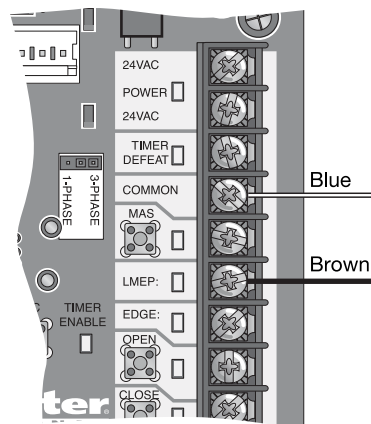
Be sure to disconnect power to the operator BEFORE installing the photo eye. The door MUST be in the fully opened or closed position before installing the photo eye.

INSTALL

Both retro-reflective sensor and reflector must be mounted no higher than 6" (15cm) above the floor and no farther than 6" (15cm) from the center plane of the door. Mount the reflector in the vertical position, square (perpendicular) to the wall or mounting surface. Mount the retro-reflective sensor in the vertical position square to the wall or mounting surface, facing the reflector. The sensor can then be adjusted horizontally to achieve accurate alignment. The sensor and reflector must be parallel for accurate alignment to occur.

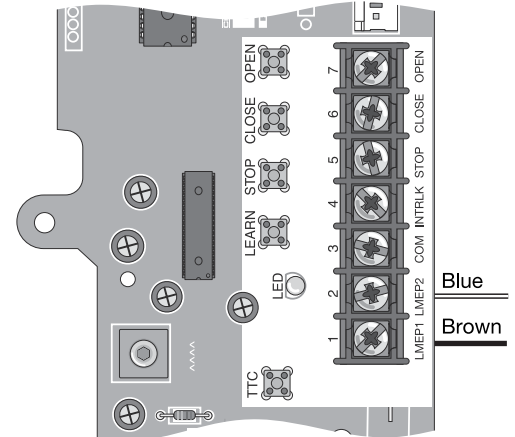
Wiring Connections

Logic 5.0/4



Control Board

Medium-Duty



Control Board

