



ABB

Orion Safety Light Guards

Reduce complexity and save time



Orion1

The Orion1 light curtains are used for finger or hand detection (14 mm and 30 mm), usually quite close to the dangerous machine.



Orion2

The Orion2 light grids are used for body detection, usually for access protection.

With a 50 m operating distance, they are appropriate to be used with deviating mirrors.



Orion3

The Orion3 light grids are used for body detection, usually for access protection.

Transmitter and receiver are both in the same active unit. The beams are reflected by the passive unit.

Orion3 reduces the need for cabling. Only the active unit has to be connected.



Base or Extended

All Orion models are available as Base and Extended.

Base Models

Detection
Local reset
EDM

Extended Models

Detection
Local reset
EDM
Muting

Reduce complexity

- No more functions or settings than necessary.
- A local reset button can be connected directly to the light curtain; no need for cable between the reset button and the electrical cabinet or for an extra control module.
- Each light curtain can monitor the actuators without an extra control module (EDM function).
- Muting sensors are connected directly to the Extended models with no need for a remote muting module.
- No dead zone; the resolution is guaranteed along the whole length of the Orion1 Extended with no need for extra mechanical guard.
- Cascading with Orion1 Extended standard units; no separate slave or master units.

Speed up installation

- Integrated alignment aid for ease of installation and set-up.
- Rotation brackets also simplify alignment.
- M12 connectors speed up cabling.

Reduce downtime

- Since the alignment level is displayed on the unit, the alignment can be improved before an unwanted stop occurs.
- Extensive error indication reduces troubleshooting time. Protective tubes and lens shields protect the devices in harsh environments.
- Coding protects Orion1 Extended against mutual interferences.

Contact your Pepco Sales Rep for more information about this product.