

Safety. Detection. Control.



Your technological partner since 1959
Product overview and Company profile





Since 1959

ReeR was established in 1959 to distribute components for industry, lighting and home automation.

By the mid-70's the first safety sensors were developed, and afterwards the first light curtains were produced.

Today ReeR is both the Italian leading company and one of the main world manufacturers of optoelectronic sensors for industrial safety.

The export activity of the Safety Division outlines the company's global expertise and its network of skilled distributors provide an accurate support service to their customers based in more than 60 countries.

reersafety.com

Made in Italy
since 1959

Quality

ReeR is committed to continuously improving its quality management processes by minimizing the defective returns and ensuring a very high product reliability.

Product traceability and production process control are ensured by a ReeR proprietary management software.

The ReeR product quality is guaranteed by the Quality System certified by TÜV Italia according to the ISO 9001:2008 standard.

Know-how

Technological excellence and application know-how embody the spirit of ReeR.

15% of the personnel is employed in the R&D department, with expertise in safety hardware, software and firmware.

Furthermore, ReeR is one of the main players in the standardization process development as it takes part in the most important national and international Organising Committees on machinery safety requirements.

If safety in the workplace is essential, it becomes crucial in highly automated environments.

Thanks to the experience achieved by cooperating with the world leading companies in the machine tools, automotive, packaging and palletisation industries, ReeR is able to offer a wide range of safety devices, such as: light curtains, programmable controllers, photocells and interfaces able to meet each application demand.

ReeR has always been at the forefront also in the field of optoelectronic curtains for automation, measurement and control.

Safety and Automation



Access control barrier with integrated Muting functions

The new Safegate Type 4 range of access control barriers is the ideal solution for the protection of a vast number of high-risk industrial applications, in particular those requiring a high level of integration of the Muting functions.

Safegate guarantees the perfect integration of all Muting sensors directly connected to the access control barrier.

Access
guarding

Exit-only

Entry-Exit

SAFEGATE

*access control barriers with
integrated Muting functions*

Pre-configured Muting logics

Exit-only (parallel/crossed),
Entry-Exit (parallel),
Entry-Exit (crossed)

Flexible configuration

Hardware or Software configuration
to cover all Muting applications

Integrated Status and Muting lamp

Fully scalable

Change configuration
at any time

New **M⁵** multi-beam Muting photocell

Ideal for sensing
unconventional objects

Pre-configured and pre-wired Muting arms and Muting brackets

Vast range of accessories

Including special mounting brackets
and floor mounting columns



SAFETY LEVEL

TYPE 4

SIL 3 - SILCL 3
PL e - Cat. 4



www.reersafety.com

Safety Light Curtains

Finger, Hand and Body detection

Resolution

14

20

30

40

50

90

Safety Light Grids

Multibeam grids for access control

Number of Beams

2

3

4

EOS

*compact
safety light
curtains and
grids*

Unique features
and a comprehensive
range

Cascade connection of
two or three light curtains

No blind area on one side

EOS4 ATEX

Safety Light Curtain for
explosive atmosphere

WTF and WTHF models

IP69K certified

Ecolab food-graded

Standard models

EOS4 A

Type 4 Safety Light Curtains
with Automatic Restart

EOS4 AH

Type 4 Safety Light Curtains
with Automatic Restart
(Longer Range)

Integrated functions models

EOS4 X

Type 4 Safety Light Curtains
with selectable Automatic/Manual
Restart and EDM

EOS4 XH

Type 4 Safety Light Curtains
with selectable Automatic/Manual
Restart and EDM (Longer Range)

SAFETY LEVEL

TYPE 4

SIL 3 - SILCL 3
PL e - Cat. 4

Also available

SAFETY LEVEL

TYPE 2

SIL 1 - SILCL 1
PL c - Cat. 2



MOSAIC

modular safety integrated controller

Configurable

Mosaic is a safety hub able to manage all safety functions of a machinery or a plant.

Scalable

Mosaic can manage safety sensors and signals such as light curtains, photocells, laser scanners, emergency stops, electromechanical switches, guard-lock safety door switches, magnetic switches, RFID switches, safety mats and edges, two-hands controls, hand grip switches, encoders and proximities for safety speed control.

Validated

Free
Designer
Software

Simulator
function



M1 Main Unit
Can work as Stand-alone

8 digital inputs
2 pairs OSSD Cat. 4
safety outputs

Full System
M1 + up to 14 expansions

Up to 128 digital inputs
Up to 16 pairs OSSD Cat. 4
safety outputs

SAFETY LEVEL

SIL 3

SIL 3 - SILCL 3
PL e - Cat. 4



safety. Detection. Control.



Micron

measurement and automation light curtains

● Measure

● Count

● Detect

Beam spacing

5

10

25

30

50

75

Light curtains for industrial and civil applications where it is necessary to detect, measure, and recognise objects.

Depending on the number and position of the beams engaged by an object, Micron can provide real time information to a PLC or PC in order to: **detect the presence or absence of objects, perform a count, detect a position, detect a shape or a profile, measure dimensions.**

Micron A

Ideal for object measurement and detection of dimensional limits.

AV (0/10 VDC) analogue output, AC (4/20 mA) analogue output.

Micron B

Ideal for dimensional measurement, detection of object profile and position.

RS 485 serial line and two solid state outputs 0/24V with programmable functions.

Micron C

Ideal for piece counting and detection of object presence/absence in the controlled field.

Two solid state antivalent outputs 0/24V (ON/OFF) without the need of programming.



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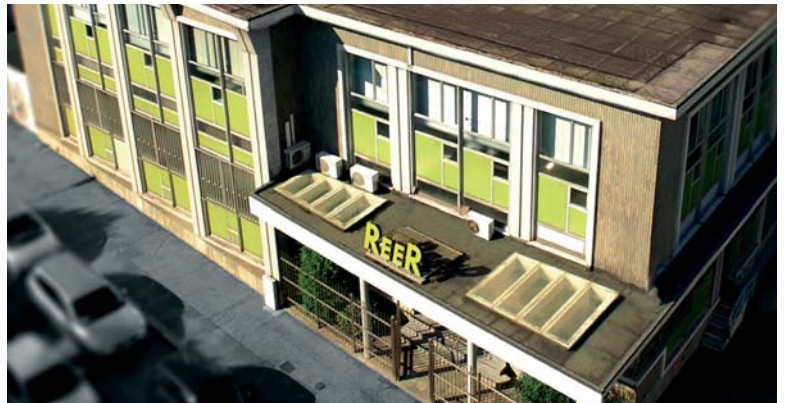
More than 50 years of quality and innovation

Founded in Turin, Italy in 1959, ReeR distinguished itself for its strong commitment to innovation and technology.

A steady growth throughout the years allowed ReeR to become a point of reference in the safety automation industry at a worldwide level.

The Safety Division is in fact today a world leader in the development and manufacturing of safety optoelectronic sensors and controllers.

ReeR is ISO 9001, ISO 14001 and BS OHSAS 18001 certified.



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