

# ReeR Safegate Light Curtains – Body Protection

Safegate Type 4 access control barriers provide the ideal solution for protection in a wide range of high-risk industrial applications, in particular those requiring a high level of integration of the muting functions. Safegate greatly simplifies seamless integration of muting sensors with light curtain access control barriers

Hardware configuration  
with integrated status and muting lamp

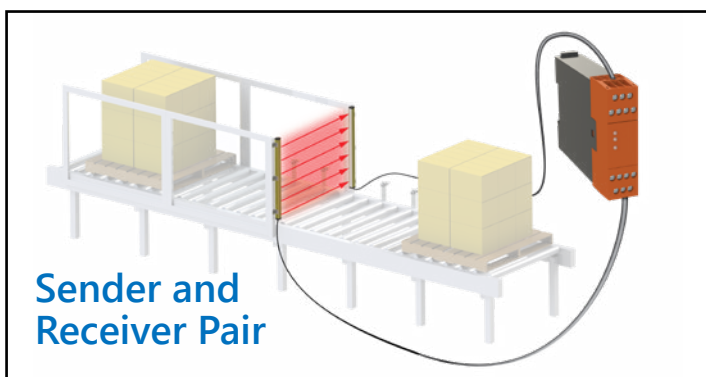


SMO-3B, SMO-4B, SMO-3B-TRX, SMO-4B-TRX

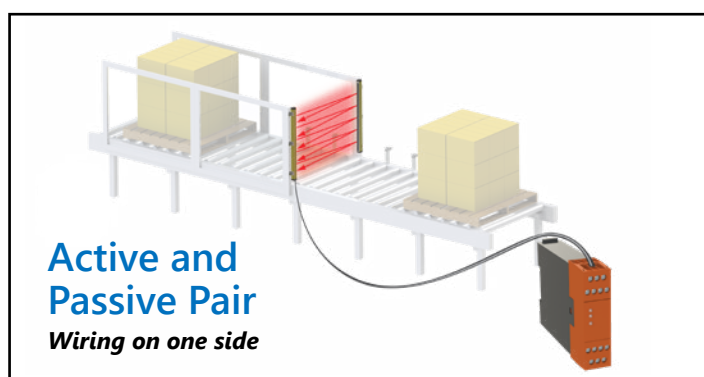
Hardware or software configuration with  
integrated status and muting lamp



SMPO-3B, SMPO-4B, SMPO-3B-TRX, SMPO-4B-TRX

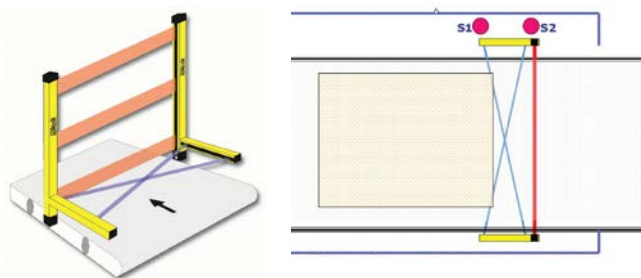


SMO-3B, SMO-4B, SMPO-3B, SMPO-4B



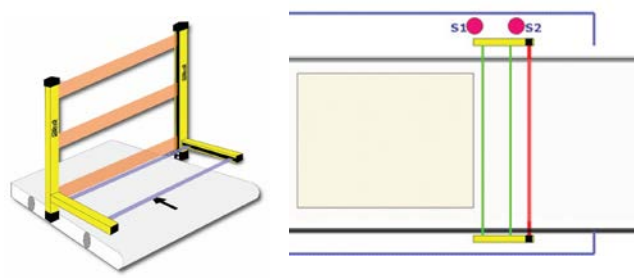
SMO-3B-TRX, SMO-4B-TRX, SMPO-3B-TRX, SMPO-4B-TRX

One way (2 sensor) crossed



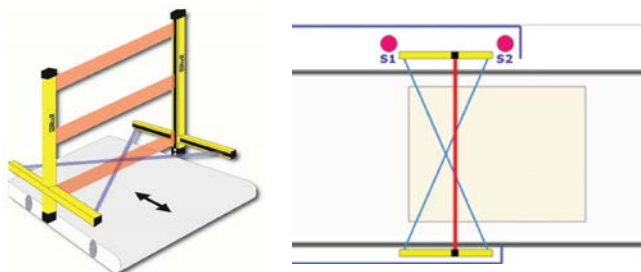
MA-L2X, MZ-L2XP, MZ-L2XP-TRX

One way (2 sensor) parallel



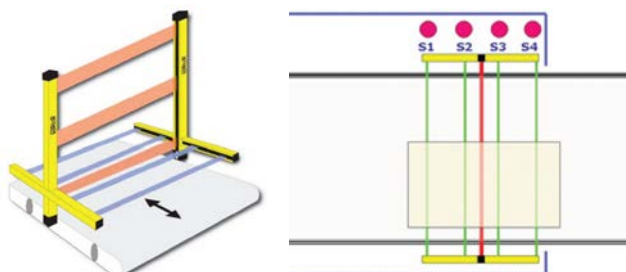
MA-L2P-TRX, MZ-L2XP, MZ-L2XP-TRX

Two way (2 sensor) crossed



MA-T2X, MZ-T2X, MZ-T2X-TRX

Two way (4 sensor) parallel



MA-T4P-TRX, MZ-T4P, MZ-T4P-TRX

# ReeR Safegate Light Curtains – Body Protection

## With Muting Arm/Brackets

### Muting Arms:

MA-L2X  
MA-T2X  
MA-L2P-TRX  
MA-T4P-TRX

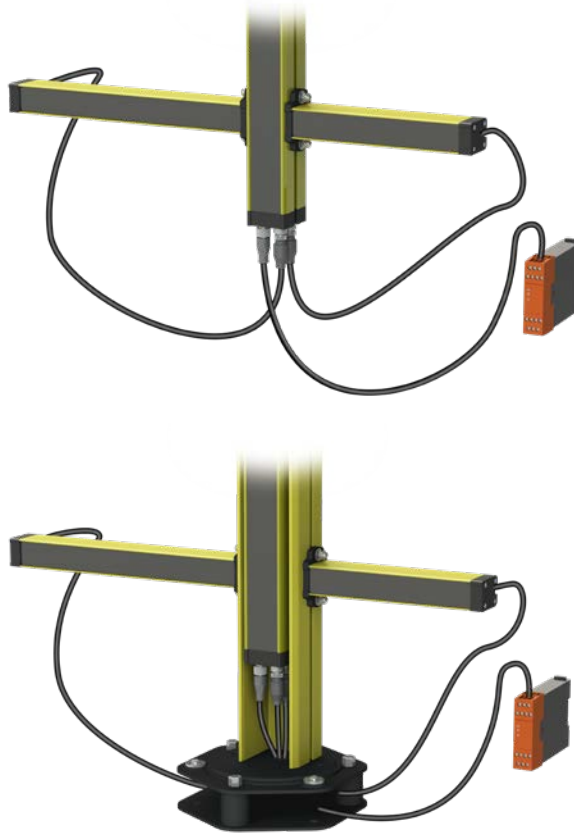
or

### Muting Brackets:

MZ-L2XP  
MZ-T2X  
MZ-T4P  
MZ-L2XP-TRX  
MZ-T2X-TRX  
MZ-T4P-TRX

### Cable

**M12 12-pin cable**  
 (See recommended items for cabling)



### Light Curtains:

SMO-3B  
SMO-4B  
SMPO-3B  
SMPO-4B  
SMO-3B-TRX  
SMO-4B-TRX  
SMPO-3B-TRX  
SMPO-4B-TRX

*If a TRX light curtain is selected, then the muting arms/brackets part number should end in TRX as well.*

### Protective Columns (optional)

FMC-SGB3 (for SMxO-3B  
 or SMxO-3B-TRX)  
FMC-SGB4 (for SMxO-4B  
 or SMxO-4B-TRX)

### Protective Column Base:

(Required with Protective Column)

FMC-CB (shown)

or

FMC-CBL (not shown)

## With Muting Photocells

### Photo Cells

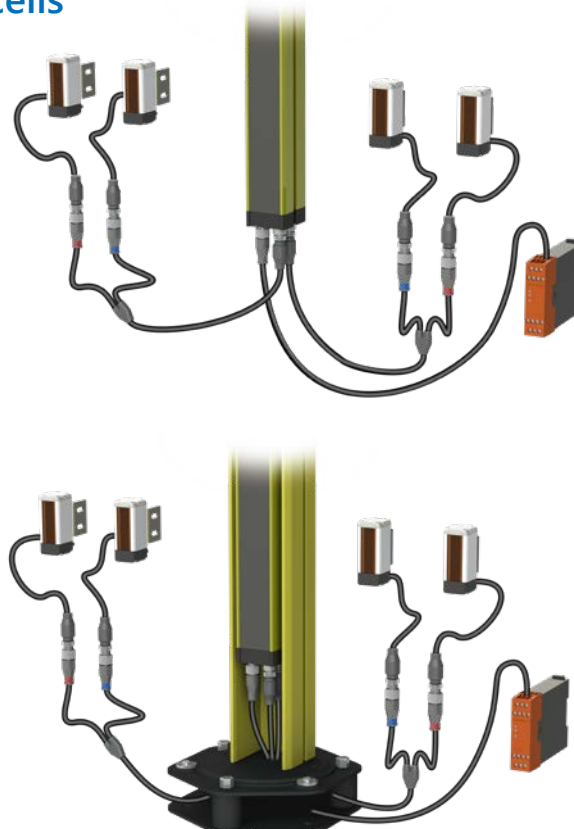
M5-A  
M5-B  
M-TRX-A  
M-TRX-B

### Y-Splitters

CSY12TX  
CSY12RX

### Cable

**M12 12-pin cable**  
 (See recommended items for cabling)



### Light Curtain:

SMO-3B  
SMO-4B  
SMPO-3B  
SMPO-4B  
SMO-3B-TRX  
SMO-4B-TRX  
SMPO-3B-TRX  
SMPO-4B-TRX

*If a TRX light curtain is selected, then the muting arms/brackets part number should end in TRX as well.*

### Protective Columns (optional)

FMC-SGB3 (for SMxO-3B  
 or SMxO-3B-TRX)  
FMC-SGB4 (for SMxO-4B  
 or SMxO-4B-TRX)

### Protective Column Base:

(Required with Protective Column)

FMC-CB (shown)

or

FMC-CBL (not shown)

# ReeR Safegate Light Curtains – Muting Arms

## Features

- Pre-configured and pre-wired muting arms and muting brackets
- MZ series offers five photo beams per sensor, useful for sensing unconventional objects (only one beam on the TRX versions)
- One way (parallel)
- One way (crossed)
- Two way (parallel)
- Two way (crossed)



**MA-xxx Series**



**MZ-xxx Series**



**MA-xxx-TRX Series**



**MZ-xxx-TRX Series**

## ReeR Safegate Light Curtains – Muting Arms Selection Chart

Part Number	Price	Description	Working Range (m [ft])	Dimensional Drawing
<a href="#">MA-L2X</a>	\$04op?:	Muting arm, sender/receiver pair, 2 crossed beams, one way	1-2.5 [3.28-8.20]	<a href="#">PDF</a>
<a href="#">MA-T2X</a>	\$04oq0:	Muting arm, sender/receiver pair, 2 crossed beams, two way	1-2.5 [3.28-8.20]	<a href="#">PDF</a>
<a href="#">MA-L2P-TRX</a>	\$04op.:	Muting arm, active/passive pair, 2 parallel beams, one way	0-3.5 [0-11.48]	<a href="#">PDF</a>
<a href="#">MA-T4P-TRX</a>	\$04oq2:	Muting arm, active/passive pair, 4 parallel beams, two way	0-3.5 [0-11.48]	<a href="#">PDF</a>
<a href="#">MZ-T2X</a>	\$04oq5:	Bracket with M5, sender/receiver pair, 2 crossed beams, two way	1-3.5 [3.28-11.48]	<a href="#">PDF</a>
<a href="#">MZ-T4P</a>	\$04oq8:	Bracket with M5 sender/receiver pair, 4 parallel beams, two way	0-3.5 [0-11.48]	<a href="#">PDF</a>
<a href="#">MZ-L2XP</a>	\$04oq3:	Bracket with M5, sender/receiver pair, 2 crossed or parallel beams, one way	0-3.5 [0-11.48] when parallel 1-3.5 [3.28-11.48] when crossed	<a href="#">PDF</a>
<a href="#">MZ-L2XP-TRX</a>	\$04oq4:	Bracket with M-TRX, active/passive pair, 2 crossed or parallel beams, one way	0-3.5 [0-11.48] when parallel 1-3.5 [3.28-11.48] when crossed	<a href="#">PDF</a>
<a href="#">MZ-T2X-TRX</a>	\$04oq6:	Bracket with M-TRX, active/passive pair, 2 crossed beams, two way	1-3.5 [3.28-11.48]	<a href="#">PDF</a>
<a href="#">MZ-T4P-TRX</a>	\$04oq9:	Bracket with M-TRX, active/passive pair, 4 parallel beams, two way	0-3.5 [0-11.48]	<a href="#">PDF</a>

# Safety Products



*Warning: Safety products sold by AutomationDirect are Safety components only. The purchaser/installer is solely responsible for the application of these components and ensuring all necessary steps have been taken to assure each application and use meets all performance and applicable safety requirements and/or local, national and/or international safety codes as required by the application. AutomationDirect cannot certify that our products, used solely or in conjunction with other AutomationDirect or other vendors' products, will assure safety for any application. Any person using or applying any products sold by AutomationDirect is responsible for learning the safety requirements for their individual application and applying them, and therefore assumes all risks, and accepts full and complete responsibility, for the selection and suitability of the product for their respective application.*

*AutomationDirect does not provide design or consulting services, and cannot advise whether any specific application or use of our products would ensure compliance with the safety requirements for any application.*