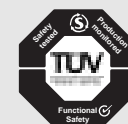
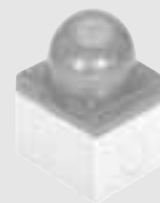


## Muting Controller for Safety Light Curtain

**F3SP-U2P**

- High functionality (two independent muting functions, override function, automatic and manual reset).
- Category 2 or 4 depending on safety light curtain.
- Muting lamp included.
- Double output safety relay.
- 7 segment display for status of the control unit and trouble shooting.
- Easy to install.

*Muting controller for one or two Safety Light Curtain.*



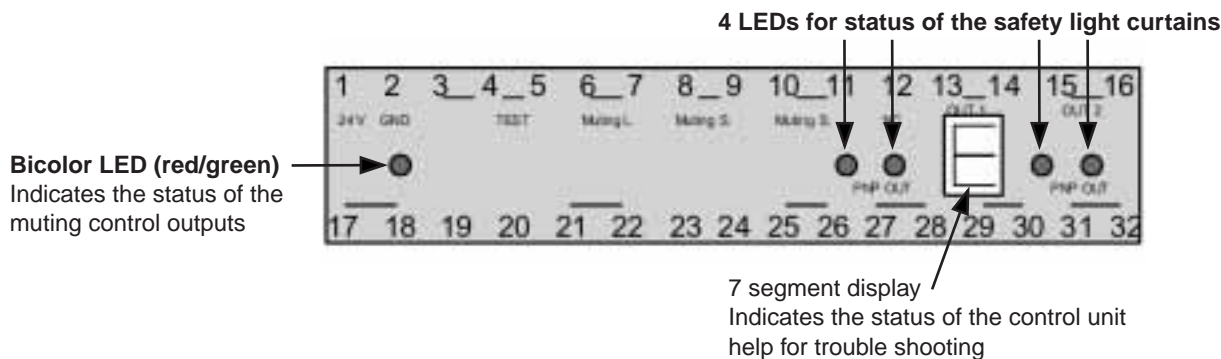
## List of Models

Description	Model
Muting Controller for Safety Light Curtain F3S-B, F3SN and F3SH	F3SP-U2P-TGR

## Rating / performance

	F3SP-U2P-TGR
Power supply voltage	24 VDC $\pm$ 10%
Power consumption	8 W max. (incl. muting lamp, excl. safety light curtains)
Output contacts	2 NO 3,15 A (protected by fuses)
Indicators	7 segment display for status of the control unit and trouble shooting, 4 LEDs for status of the single beams, one bicolor LED for the status of the control output.
Enclosure rating	IP20
Terminal	32 screw terminals (2,5 mm <sup>2</sup> )
Response time	$\leq$ 18 ms
Ambient temperature	Operating: -10 °C + 55 °C
Housing material	Polycarbonate (UL V-0)
Weight	0,6 kg

## Description Front Panel

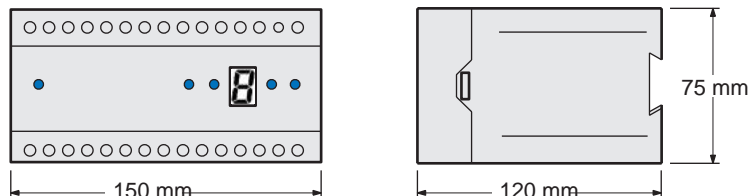


## Function

The muting control unit F3SP-U2P-TGR complies with all category 4 safety requirements, conforming to IEC 61496-1. It can be connected to one or two OMRON safety light curtains F3SN-A and F3SH-A (type 4) or F3S-B (type 2) to realise the muting function. This function enables a product passing the safety light curtain to enter into or exit from a hazardous zone.

But prevents a person to enter into this zone. In addition this control unit offers the double muting function with two independent safety light curtains. This enables a product to enter and to exit a hazardous area. An override function can be used to force the system, if an object need to be removed, which has gathered in front of the safety light curtain.

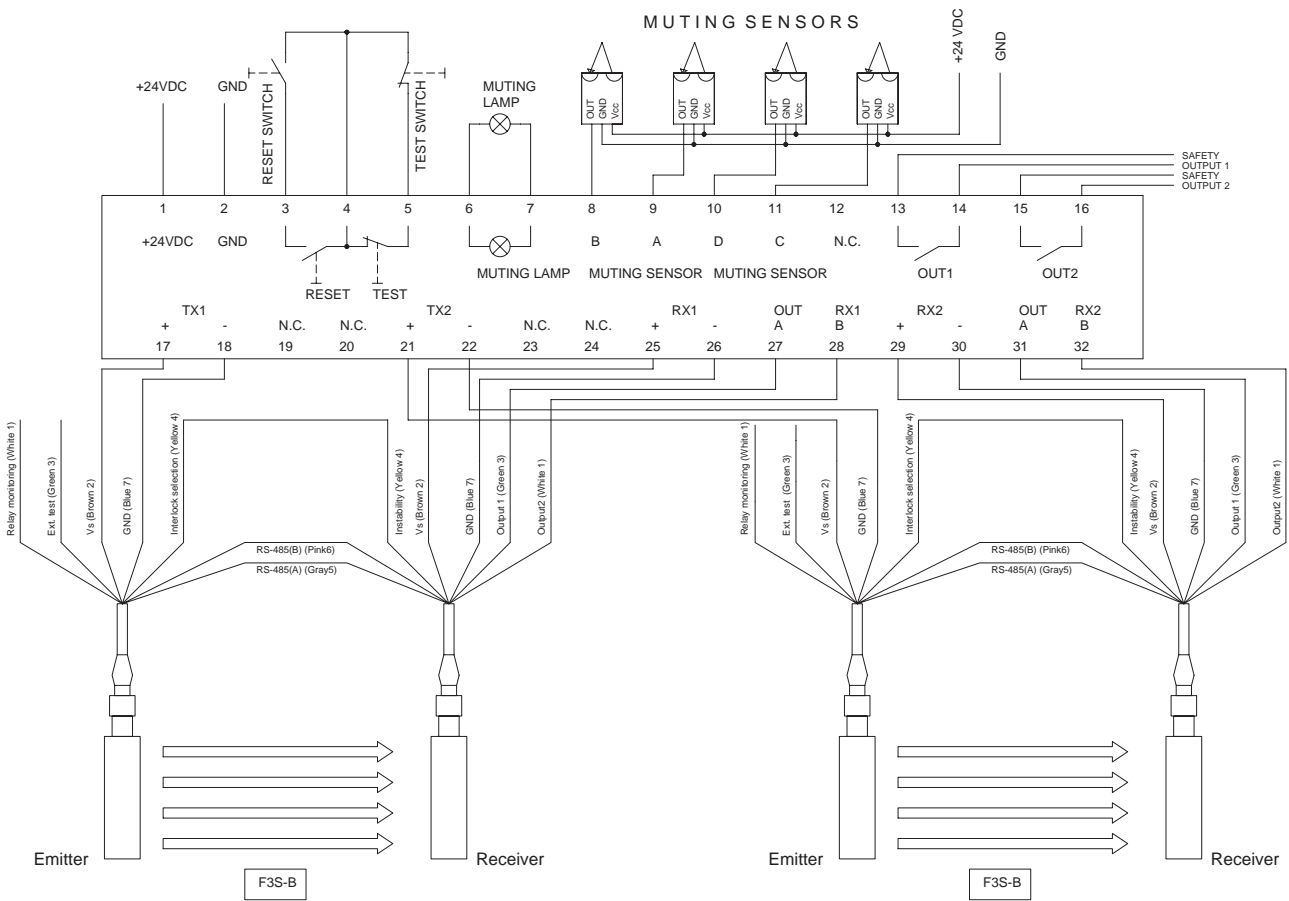
## Dimensions



Connections

F3S-B and F3SP-U2P-TGR

Wiring diagram with 2 F3S-B

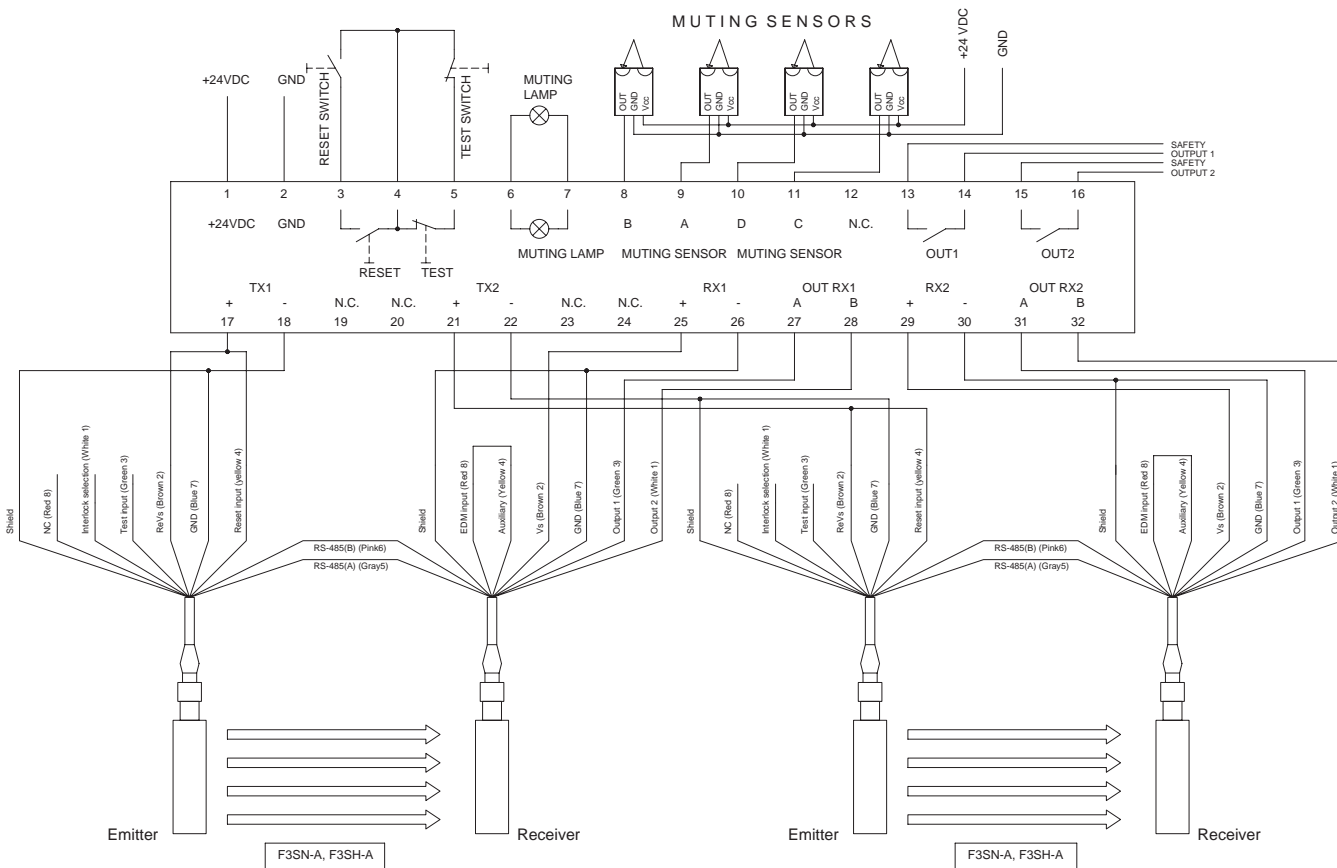


Note:  
For use with 1 F3S-B safety light curtain connect terminal 29 to 31 and 32

Connections

F3SN-A and F3SP-U2P-TGR, Muting application  
 Connection of two F3SN-A light curtains or two F3SH-A multi-beam sensors to the control unit F3SP-U2P-TGR with four muting sensors.

F3SN-A, F3SH-A function mode  
 Automatic reset  
 No external device monitoring  
 No lockout reset



Note: For use with 1 F3SN-A, F3SH-A safety light curtain connect terminal 29 to 31 and 32.

F3SP-U2P