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Muting Controller for Safety Light Curtain

F3SP-U4P

Muting controller for one or two Safety Light Curtain.

- **High functionality (two independent muting functions, override function, automatic and manual reset).**
- **Category 2 or 4 depending on safety light curtain.**
- **Only 45 mm width**
- **Double output safety relay.**
- **6 LED for status and diagnostics.**
- **Detachable terminals for easy installation.**
- **Controlls 1 or 2 safety light curtains**
- **TÜV approved**
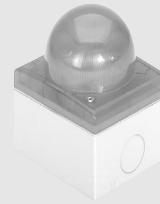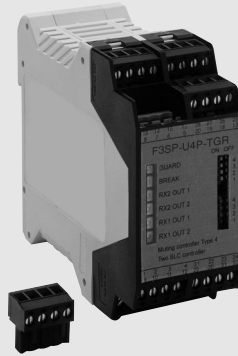
List of Models

Controller

Description	Model
Muting Controller for Safety Light Curtain F3S-B, F3SN and F3SH	F3SP-U4P-TGR

Accessories

Description	Model
Muting lamp	F39-A11

Rating / performance

	F3SP-U4P-TGR
Power supply voltage	24 VDC ±10%
Power consumption	420 mA max. (excl. SLC power consumption)
Output contacts	2 NO 2,5 A (protected by fuse)
Indicators	6 LEDs for status and diagnostics.
Enclosure rating	IP20
Terminal	32 screw terminals (1,5 mm²), detachable blocks with 4 screws each
Response time	≤30 ms
Ambient temperature	Operating: -10 °C +55 °C
Housing material	Plastic, DIN rail mounting
Weight	0,6 kg

13	14	15	16		28	27	26	25

OUT1_B (13), OUT1_A (14), OUT2_B (15), OUT2_A (16), RX1_OUT1 (28), RX1_OUT2 (27), GND (26), VFTC (25)

8	7	6	5		20	19	18	17

MUTING_A (8), LAMP_B(vaux) (7), LAMP_A (6), TEST (5), N.C. (20), N.C. (19), GND (18), VFTC (17)

LED
- ○ GUARD
- ○ BREAK
- ○ RX2_OUT1
- ○ RX2_OUT2
- ○ RX1_OUT1
- ○ RX1_OUT2

1	2	3	4		21	22	23	24

VCC (1), EXT. GND (2), RESET (3), VAUX (4), VFTC (21), GND (22), N.C. (23), N.C. (24)

9	10	11	12		29	30	31	32

MUTING_B (9), MUTING_D (10), MUTING_C (11), EARTH (12), VFTC (29), GND (30), RX2_OUT2 (31), RX2_OUT1 (32)
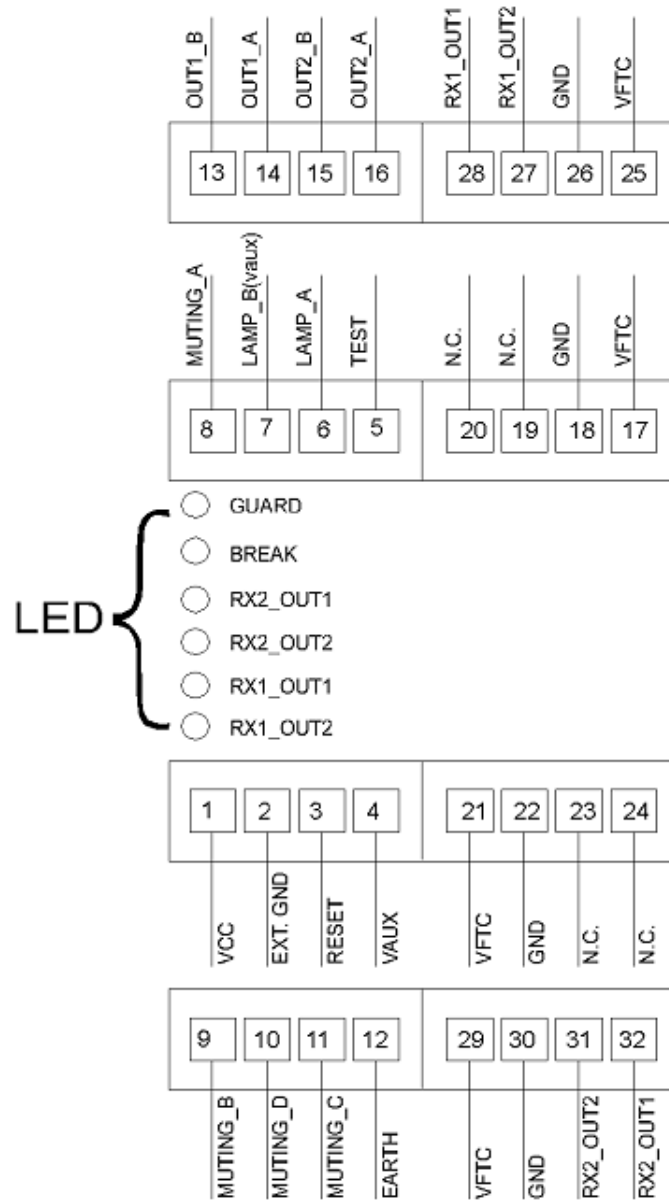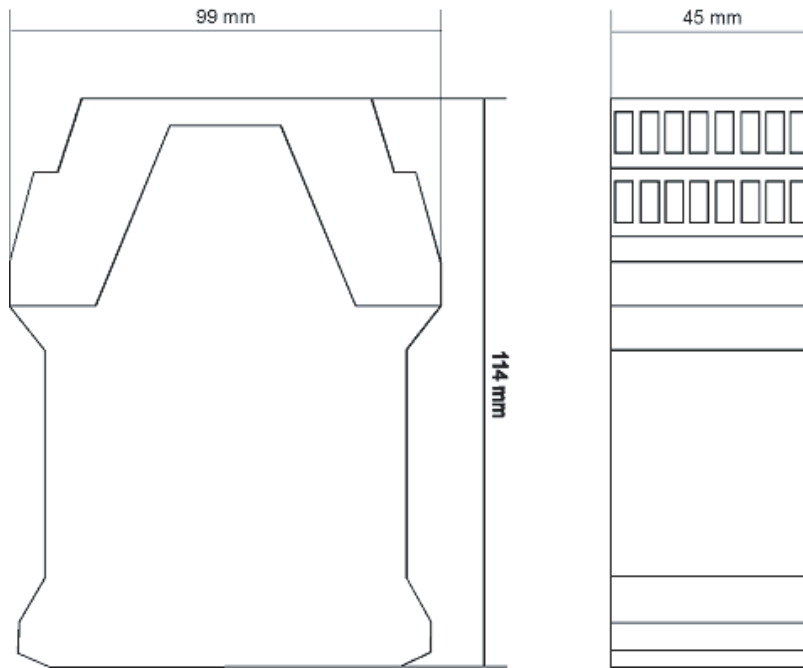
Wiring Example

Control unit F3SP-U4P-TGR in a mixed configuration that allowes the use of several OMRON safety light curtains and perimetrical guards.
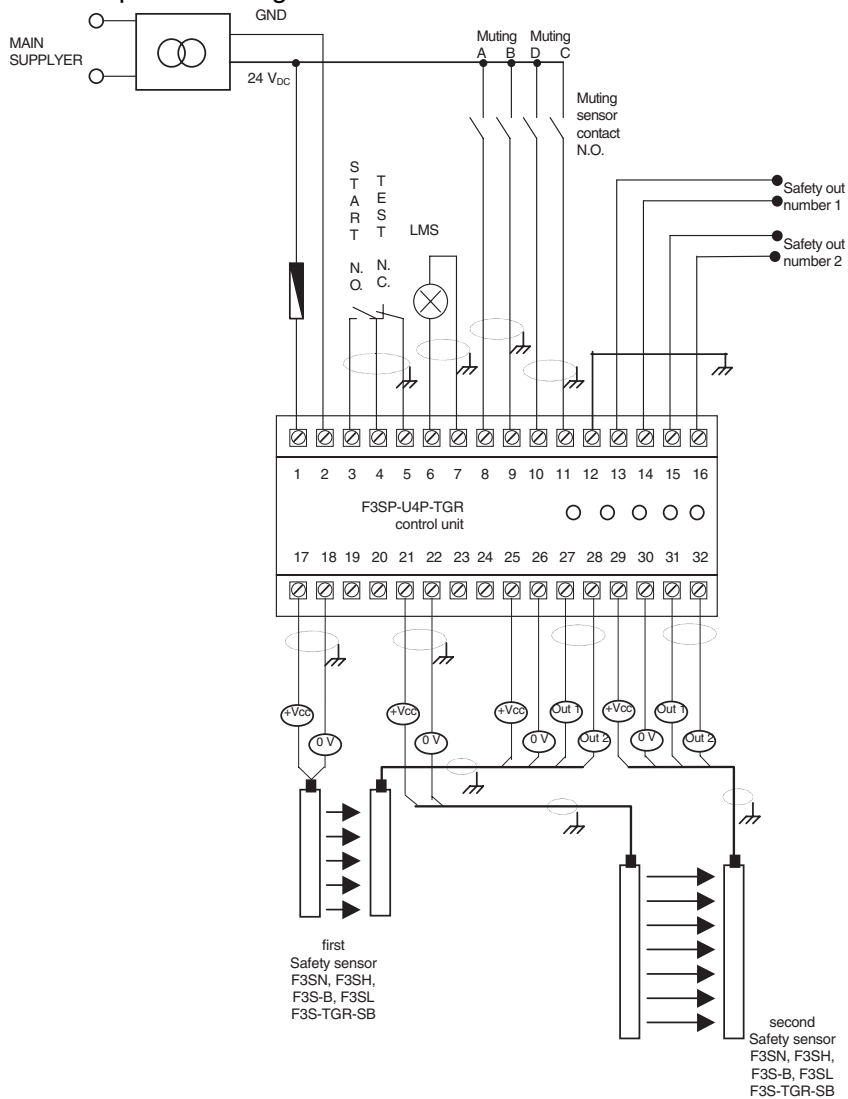
F3SP-U4P

Dimensions

99 mm

45 mm

114 mm

Cat. No. E28E-EN-01   In the interest of product improvement, specifications are subject to change without notice.

G-76   Safety Sensors / Components

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