# BOX 2/4 IP66

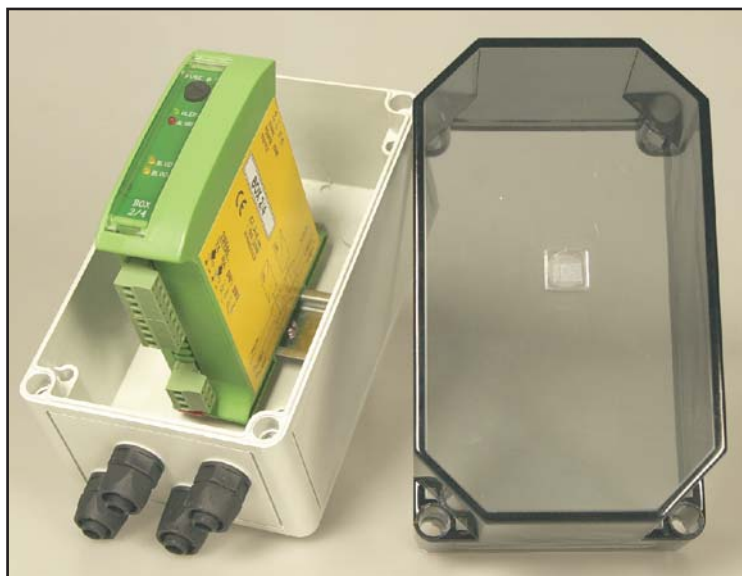## Control unit for SAFETY UPGRADING
## TYPE 4 - SIL 3   SILCL 3   PL e

CE



**BOX 2/4 IP66** control unit together with the Safety Light Curtains TYPE 2 (model OPT3 SMC PXXX) upgrades the category to TYPE 4.
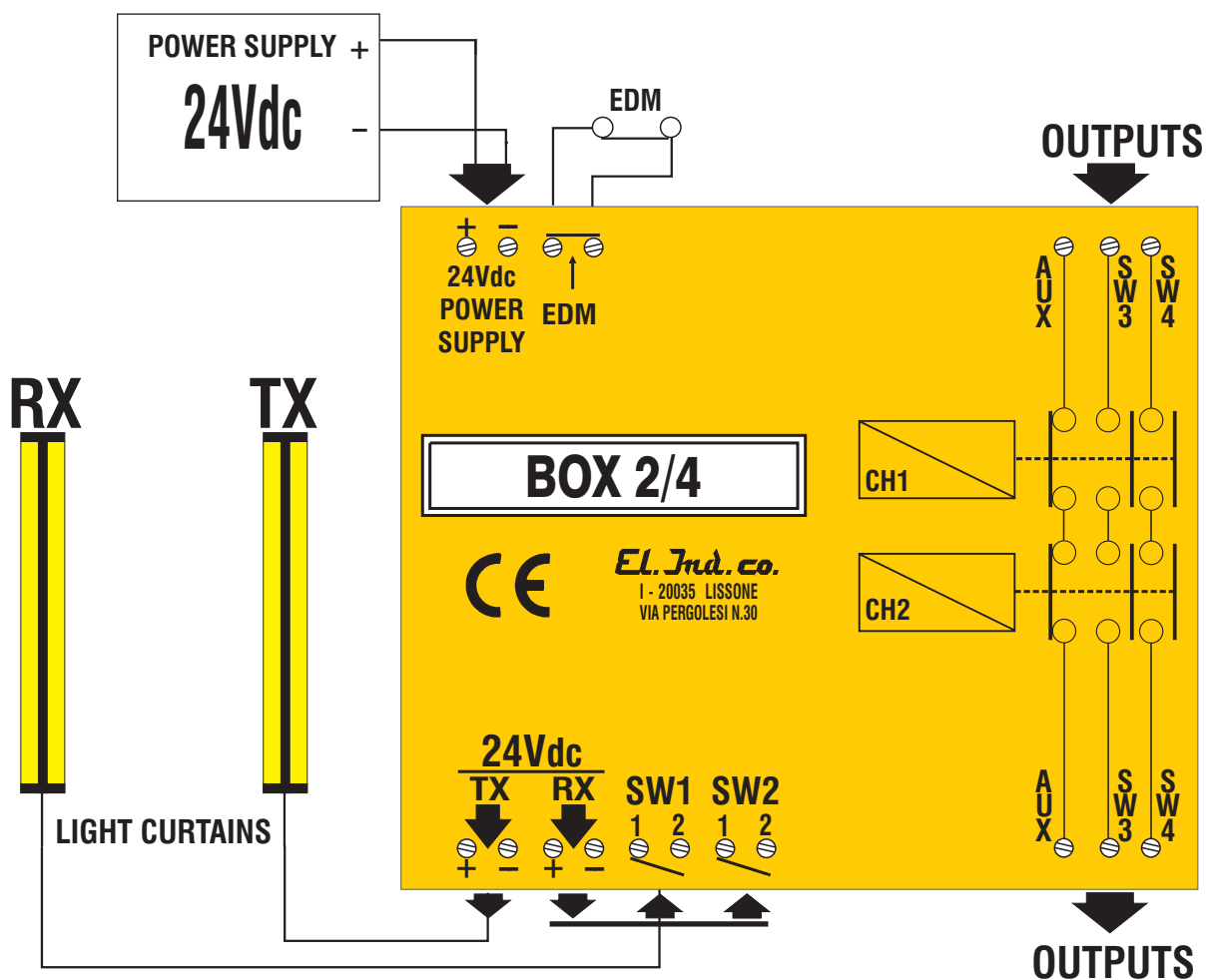
The control unit has got an input for the connection of the final switches of the light curtain which controls their disparity and supplies in its output the two contacts NC, in state of alert, coming from the two safety relays at guided contacts in redundancy selfcontrolled

Moreover the control unit provides these functions :

- **External Device Monitoring (EDM) :** control of the external devices : for example contactor, relay, etc...
- **Led Diagnostic** for failures signalling and detection
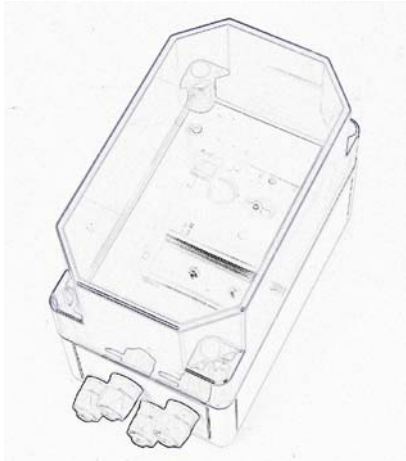- **Contact AUX (Ausiliary) NC** normally closed

## TECHNICAL FEATURES

| | |
|---|---|
| **Power Supply** | 24Vdc ± 10% |
| **Absorption** | 60 mA |
| **Type 2 Inputs** | 2 NO (switches SW1 - SW2) |
| **Type 4 Outputs** | 2 NO (switches SW3 - SW4) |
| **Outputs Current** | 5A @ 250Vac |
| **Outputs Protection** | fusibili 5A |
| **Contact AUX** | 1 NC - 3 A max (no safety) |
| **Response Time** | 6 milliseconds |
| **Housing** | Polycarbonate IP66 with transparent lid, fibre glass - rinf. (EN60529) |
| **Housing Section** | 110 x 180 x 165 mm |
| **Protection Degree** | IP66 |
| **Working Temperature** | 0 / +55 ℃ |
| **Directives** | 2006/42/CE - 2004/108/CE - 2006/95/CE |
| **Standards** | CEI-EN 61496/1 - CEI-CLC/TS 61496-2 |

**POWER SUPPLY +**

**24Vdc** −

EDM

**OUTPUTS**

**+ −**    **24Vdc POWER SUPPLY**    **EDM**

A U X   S W 3   S W 4

**RX**    **TX**

**BOX 2/4**

CH1

CH2

CE

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VIA PERGOLESI N.30

**LIGHT CURTAINS**

**24Vdc**
**TX**   **RX**   **SW1**   **SW2**
**+ −**   **+ −**   1 2   1 2

A U X   S W 3   S W 4

**OUTPUTS**

**N.B.** The unit "BOX 2/4" is provide with the EDM function temporarily disabled (jumper on terminal EDM).

If it becomes necessary to use other external devices (relays, etc...) to increase the output contacts, it is recommended to control the safety of these devices by remove the jumper in the terminal EDM and connect the contact or contacts NC of such devices in series in the terminal EDM.

A = 110mm

B = 165mm

C = 180mm

Product Code

**BOX 2/4 IP66**

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