BOX 2/4	Control unit for SAFETY UPGRADING TYPE 4 - SIL 3 SILCL 3 PL e

CE

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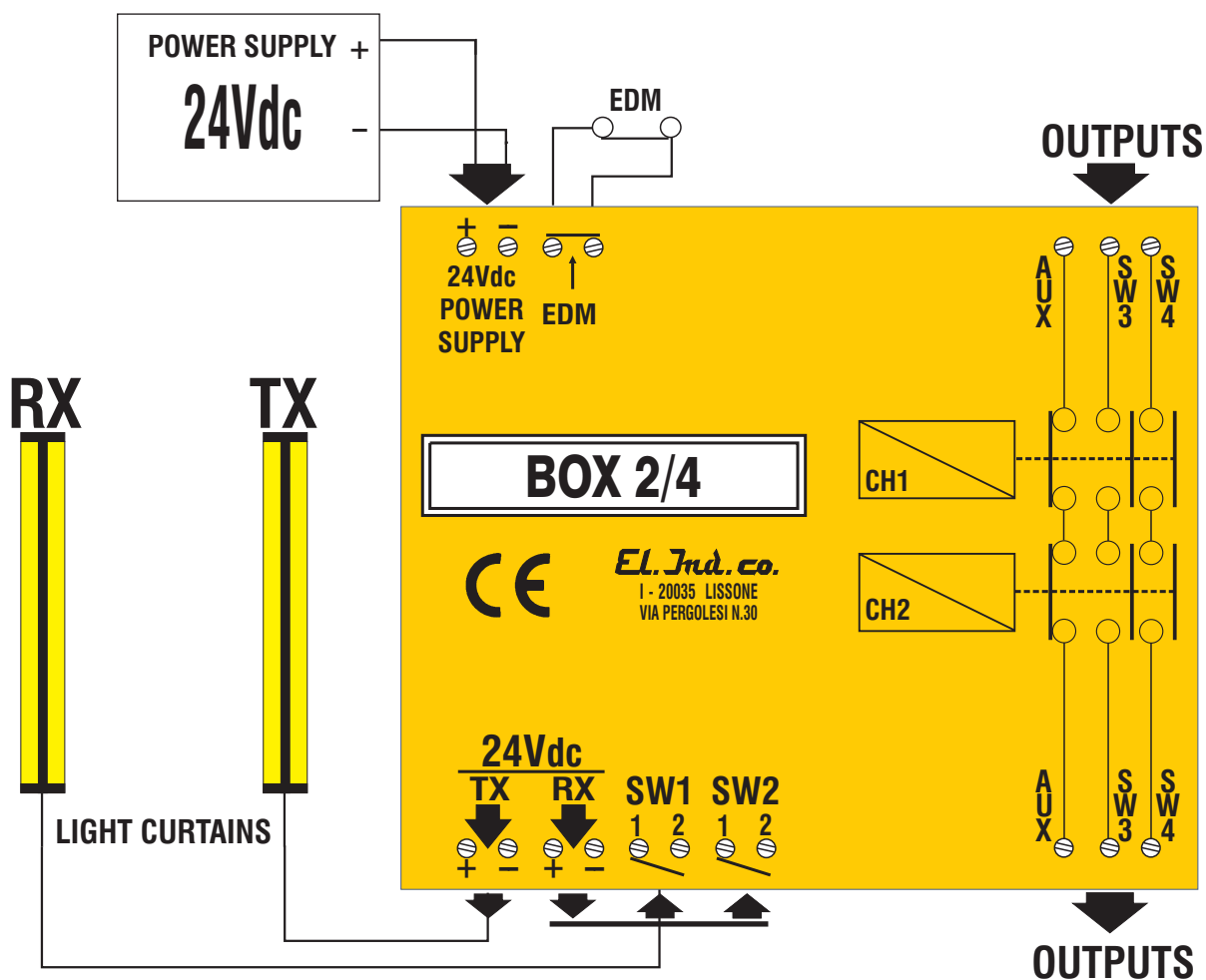
The control unit has got an input for the connection of the final switches of the light curtain which controls their disparity and supplies in its output the two contacts NC, in state of alert, coming from the two safety relays at guided contacts in redundancy selfcontrolled

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
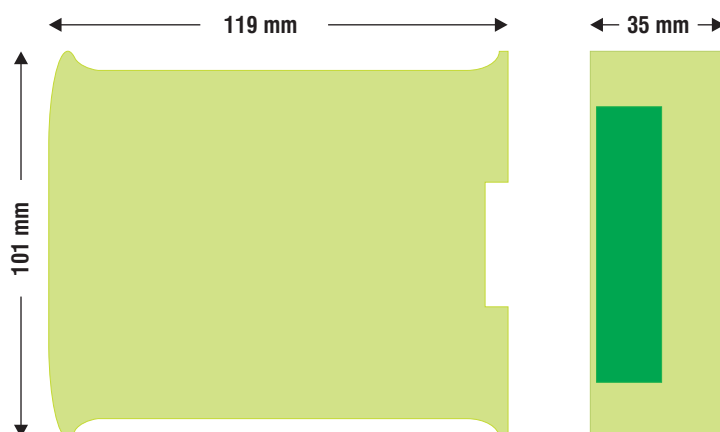
TECHNICAL FEATURES

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	fuses 5A
Contact AUX	1 NC - 3 A max (no safety)
Response Time	6 milliseconds
Housing	Blend PC/ABS self-autoextinguishing DIN RAIL (EN60715)
Housing Section	101 x 119 x 35 mm
Protection Degree	IP20
Working Temperature	0 / +55 °C
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

AUX SW3 SW4

RX   TX

BOX 2/4

CH1

CH2

CE

El. Ind. co.
I - 20035 LISSONE
VIA PERGOLESI N.30

LIGHT CURTAINS

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

AUX SW3 SW4

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.

MECHANICAL DIMENSIONS (millimeters)

← 119 mm →   ← 35 mm →

101 mm

HOW TO ORDER

Product Code
BOX 2/4