

INTERCONNECTION MODULES

SAFEGATE M SG BOX RST P

GENERAL

The SAFEGATE M SG BOX RST P modules are accessory devices designed to make the wiring of the SAFEGATE TRX-A barriers fast and safe with a dedicated industrial bus, as well as provide the main controls necessary for their operation close to the protected gate.

Internally is present terminal block for connecting the cables, toward the external industrial.

DESCRIPTION

M SG BOX RST is characterized by:

- Luminous push-button for output status indication.
- Connectors for wiring the box to the barrier:
 - 12 M12-5 poles male for TRX-A Active Element;
 - 12 M12-5 poles male for external industrial bus.
- Fairlead for the connections toward the machine of:
 - connection with machine restart command to be connected by the user;
 - output signals which indicate the status of the safety light curtain.

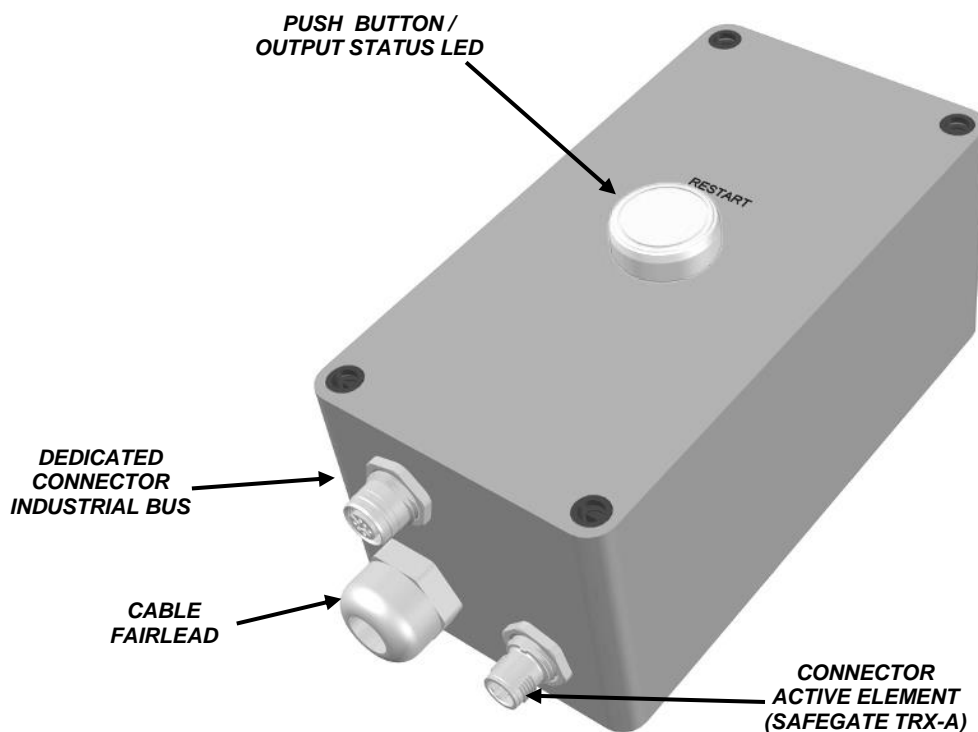


Figure 4 - M SG BOX RST P – Connections and signals

INTERNAL BOARD

The following figures illustrate the location of the internal connectors of the internal board of M SG BOX RST P. For connections, refer to the information on page 3.

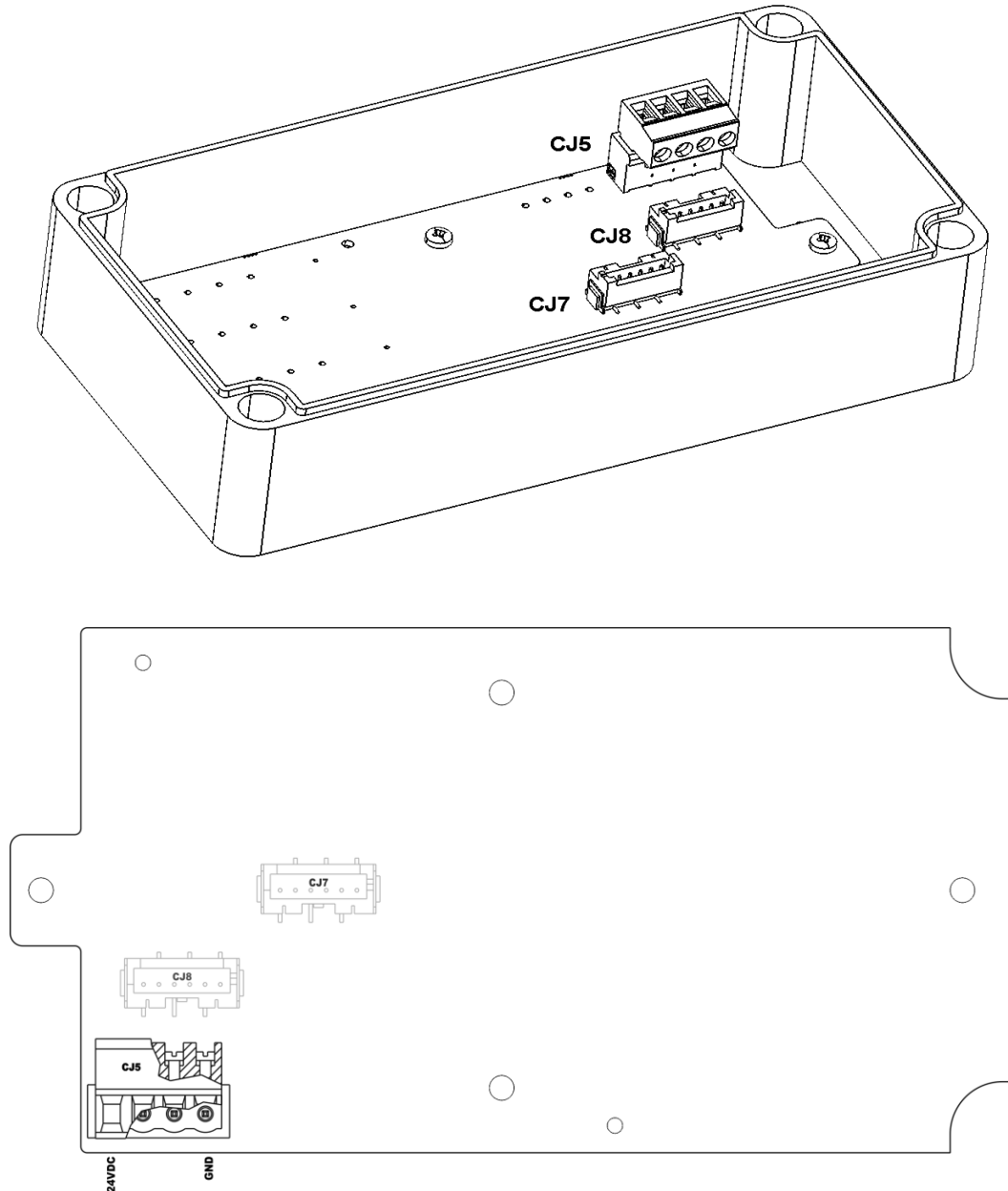


Figure 5 – Main board

INSTALLATION AND ELECTRIC CONNECTIONS

- The M SG BOX RST P modules can be fixed to the wall, using the proper plastic brackets inserted in the holes placed on the box rear side corners. These brackets can easily rotate to reach 90°.
- The barrier / industrial bus must be connected to the respective connectors M12 (Fig.1) using the dedicated cables.
- The cables coming out from the cable gland (PG11) must be connected - depending on its utilization - to connector CJ5 (see table on page 3). Terminal tightening torque: 4,4lb-in (0,5 Nm) is mandatory.
- Use 60/75°C copper (Cu) conductor only. Wire size range: AWG 12÷30, (solid/stranded) (UL).
- The working temperature is: -25°C ÷ 55°C.

M SG BOX RST P wiring sample

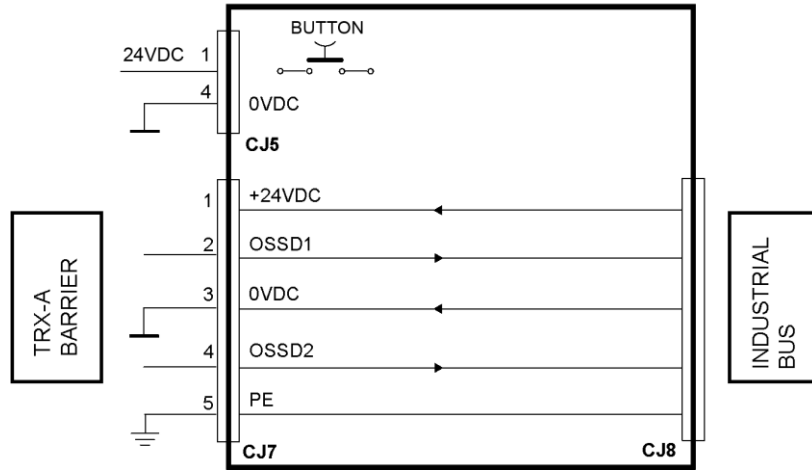


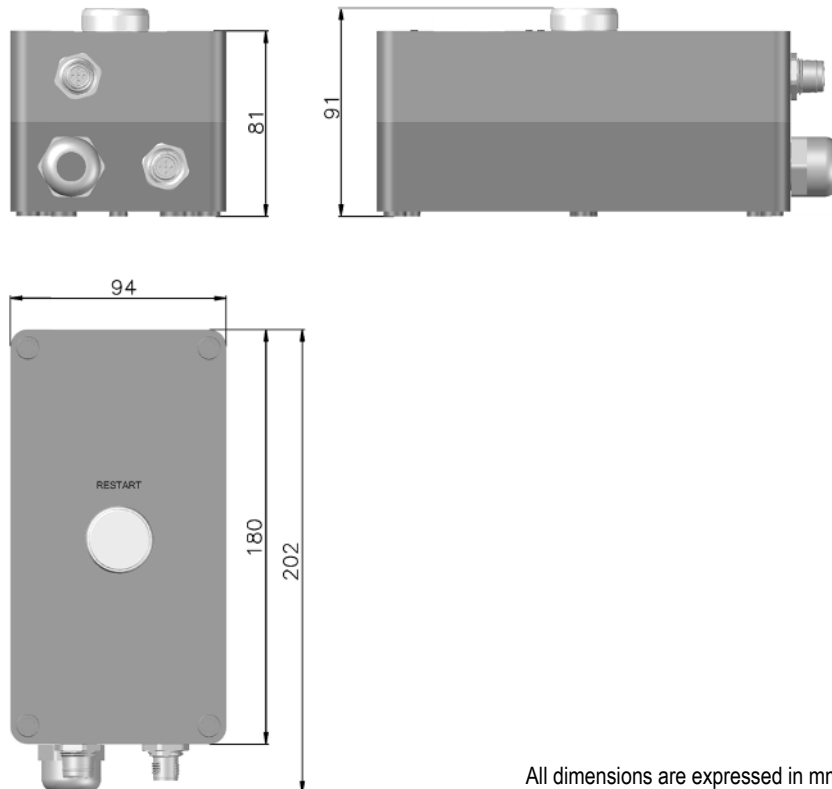
Figure 6 – M SG BOX RST P connection sample

Terminal board CJ5		
CLAMP	NAME	DESCRIPTION
1	24VDC	24 VDC
4	GND	0 VDC

SIGNALS

SIGNAL	CONDITION	MEANING
OUTPUT STATUS (White)	ON	Outputs active
	OFF (Low intensity blinking)	Light curtain occupied: outputs disabled

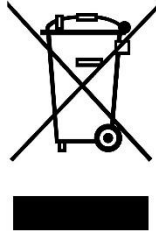
MECHANICAL DIMENSIONS



All dimensions are expressed in mm

INDICATIONS AND INFORMATION FOR ENVIRONMENTAL PROTECTION

Dispose of the product in an eco-compatible manner and in accordance with national legislation.



For Countries in the European Union:

Pursuant to the Directive no. 2012/19/EU on waste electrical and electronic equipment (WEEE)

The crossed out wheeled-bin symbol on the equipment or its packaging means that when the product reaches the end of its useful life it must be collected separately from other waste.

Proper separate collection of the discarded equipment for later environment-friendly recycling, processing and disposal, helps to avoid any negative impact on the environment and health and encourages re-use and recycling of the materials the equipment is made of.

In each individual Member State of the European Union this product is required to be disposed of in accordance with Directive **2012/19/EU** as implemented in the Member State where the product is disposed of.

For further information please contact ReeR or your local dealer.

Precise, complete compliance with all standards, instructions and warnings in this handbook is essential for the correct operation of the device.

ReeR S.p.A. therefore declines any responsibility for all and anything resulting from failure to comply with all or some of the aforesaid instructions.

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