

# ELECTRICAL INSTALLATION GUIDE – PSU XL

**Glassolutions  
Saint-Gobain**



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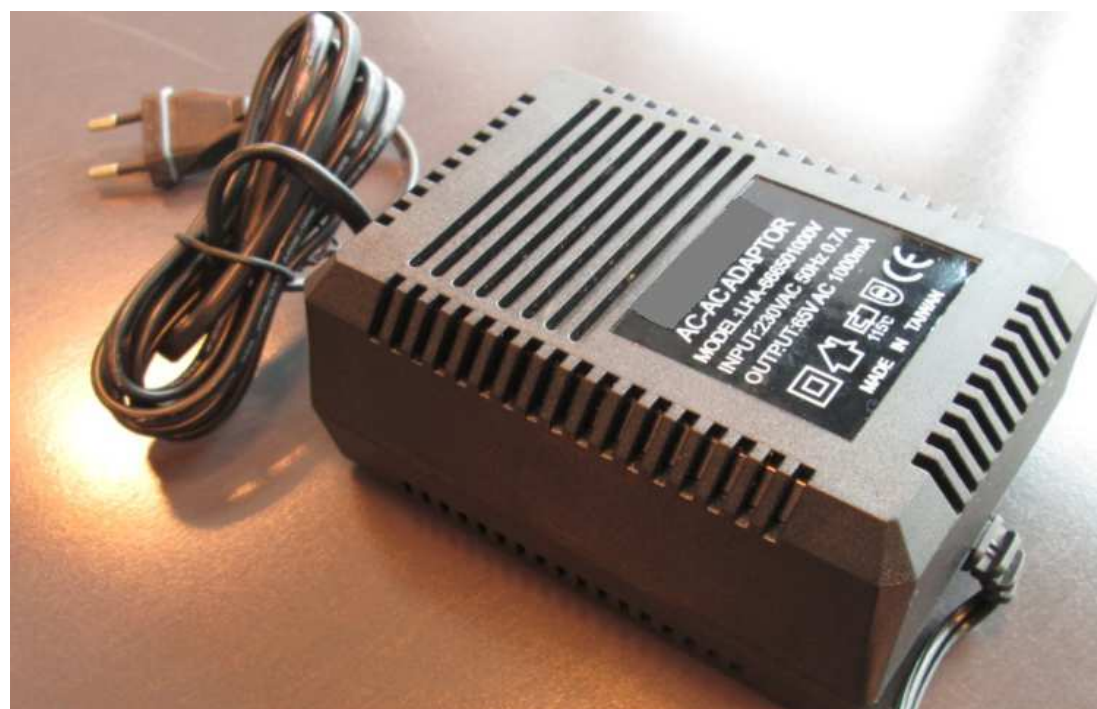
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# 1. GENERAL INFORMATION

- PRIVA-LITE XL glass works with dedicated PSUXL transformer (65V - 50/60Hz) :
- In 220-240V / 50Hz countries, obligation to use the European version PSU XL.
- In 100-120V / 50-60Hz countries, obligation to use the US PSU XL
- Use only Glassolutions Saint-Gobain extension cables to connect the PRIVA-LITE XL panels to the power supply units.
- Distance between PRIVA-LITE XL glass and PSU XL unit should not exceed 20m.
- **Important : Total glass surface of PRIVA-LITE XL connected to one PSU XL power unit cannot exceed 6,37m<sup>2</sup>.**

## 2. PSU XL DESCRIPTION

Type	Max Surface	Size (L x W x H)	Weight	Voltage	Current
PSU XL	6,37m <sup>2</sup>	130 x 90 x 70mm	790gr	Input : 230 V AC Output : 65 V AC	1A



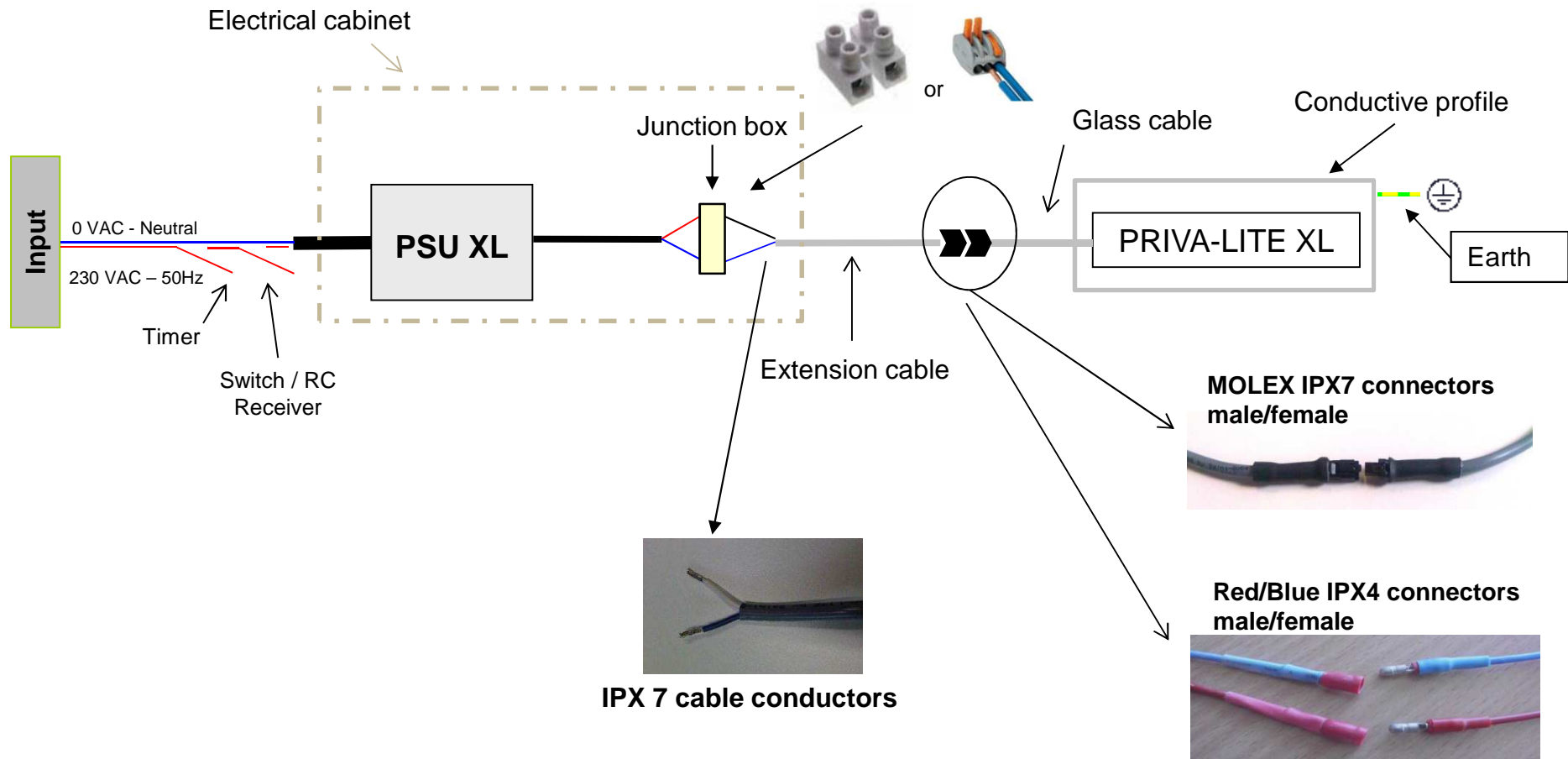
### 3. PSU XL INSTALLATION LOCATION

- PRIVA-LITE XL may be connected only to PSU XL power units.
- Respect carefully the installation rules detailed in their manual.
- Location for power supply units and for the cable path
  - Power supply units must remain accessible at any time.
  - Take into account size of power supply units.
  - Power supply units must remain removable after installation for maintenance service.
  - Power supply units must be placed in dry and ventilated areas.
  - Plan locations for additional equipment (radio switch receiver, timer switch,...).
  - Make sure that the selected location is less than 20 m away from the PSU XL to the farthest Priva-Lite panel.



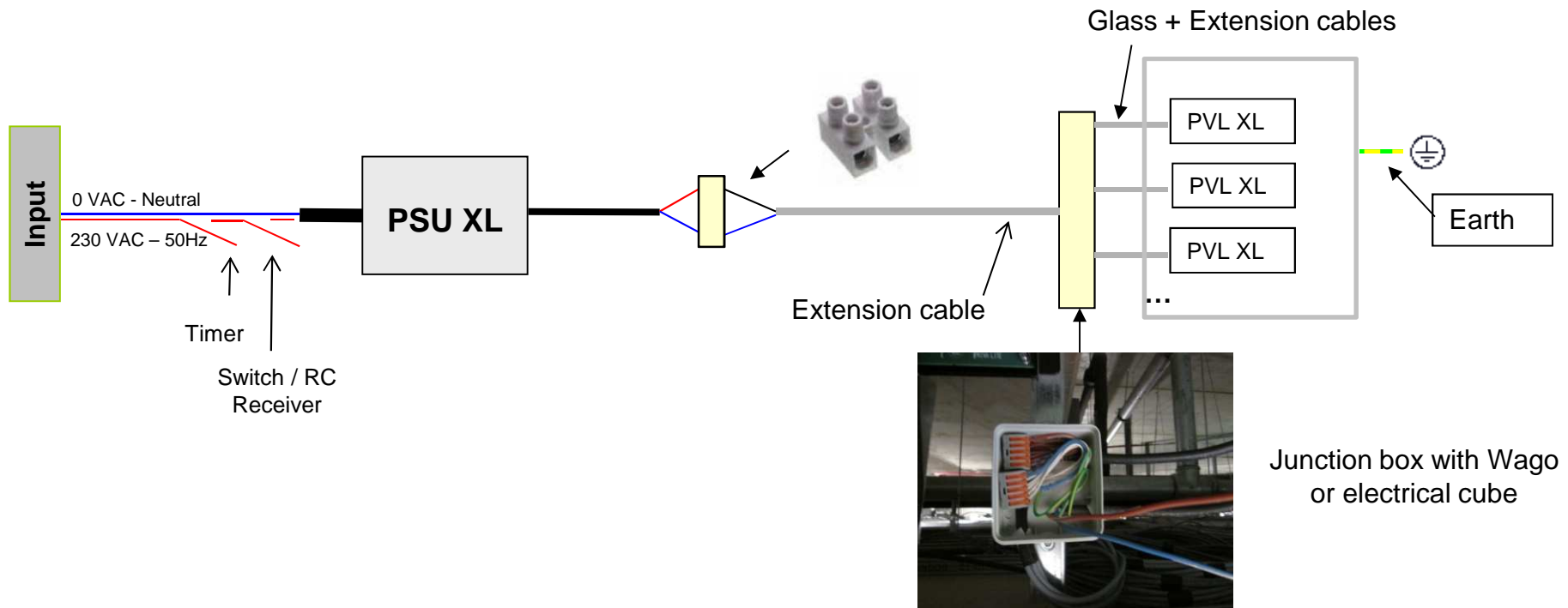
# 4. CONNECTION OF PRIVA-LITE TO PSU XL

Use only the extension cables from Glassolutions Saint-Gobain between the power supply unit and the PRIVA-LITE XL panels.



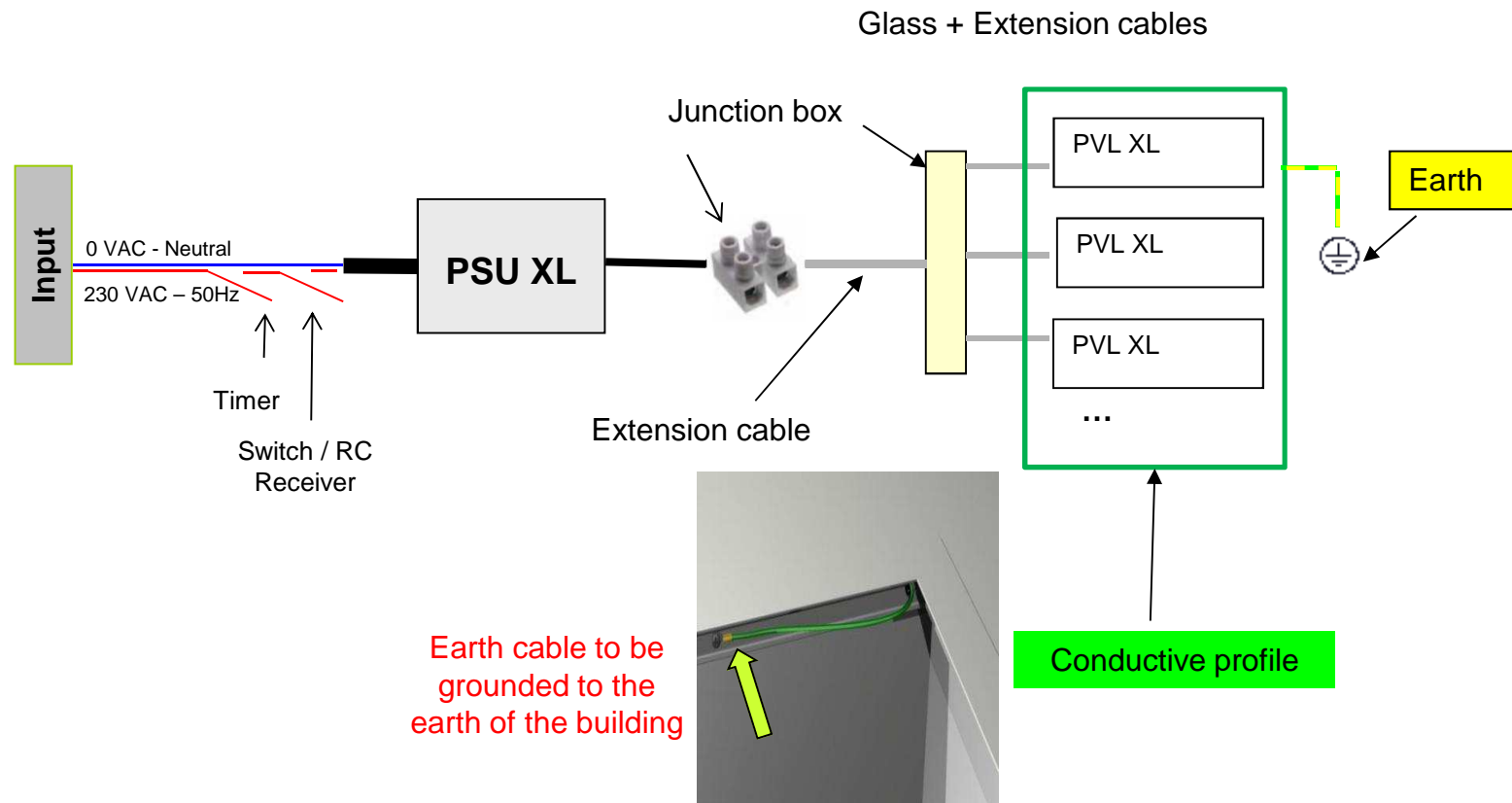
## 5. CONNECTION OF SEVERAL PANELS TO ONE PSU XL

- If 2 or more panels are connected to the same power supply unit, then use a junction box so that only one pair of conductors (one cable) will reach the power supply unit.
- Only SG extension cables may be used between the junction box and the panels, and between the junction box and the power supply unit.



## 6. GROUNDING OF CONDUCTIVE FRAME

- If the framing is conductive (aluminum, lacquered steel, stainless steel,...), it is then necessary to earth it.
- Make sure that all profile segments are interconnected. If not each segment must be independently connected to earth.

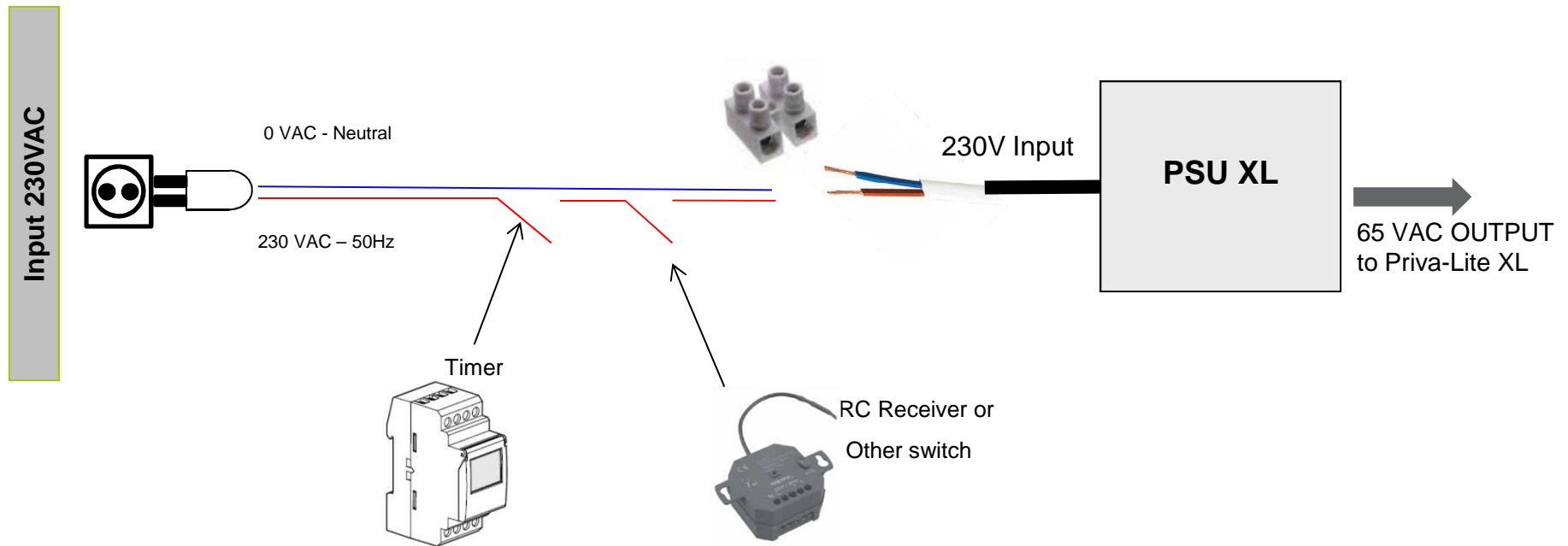




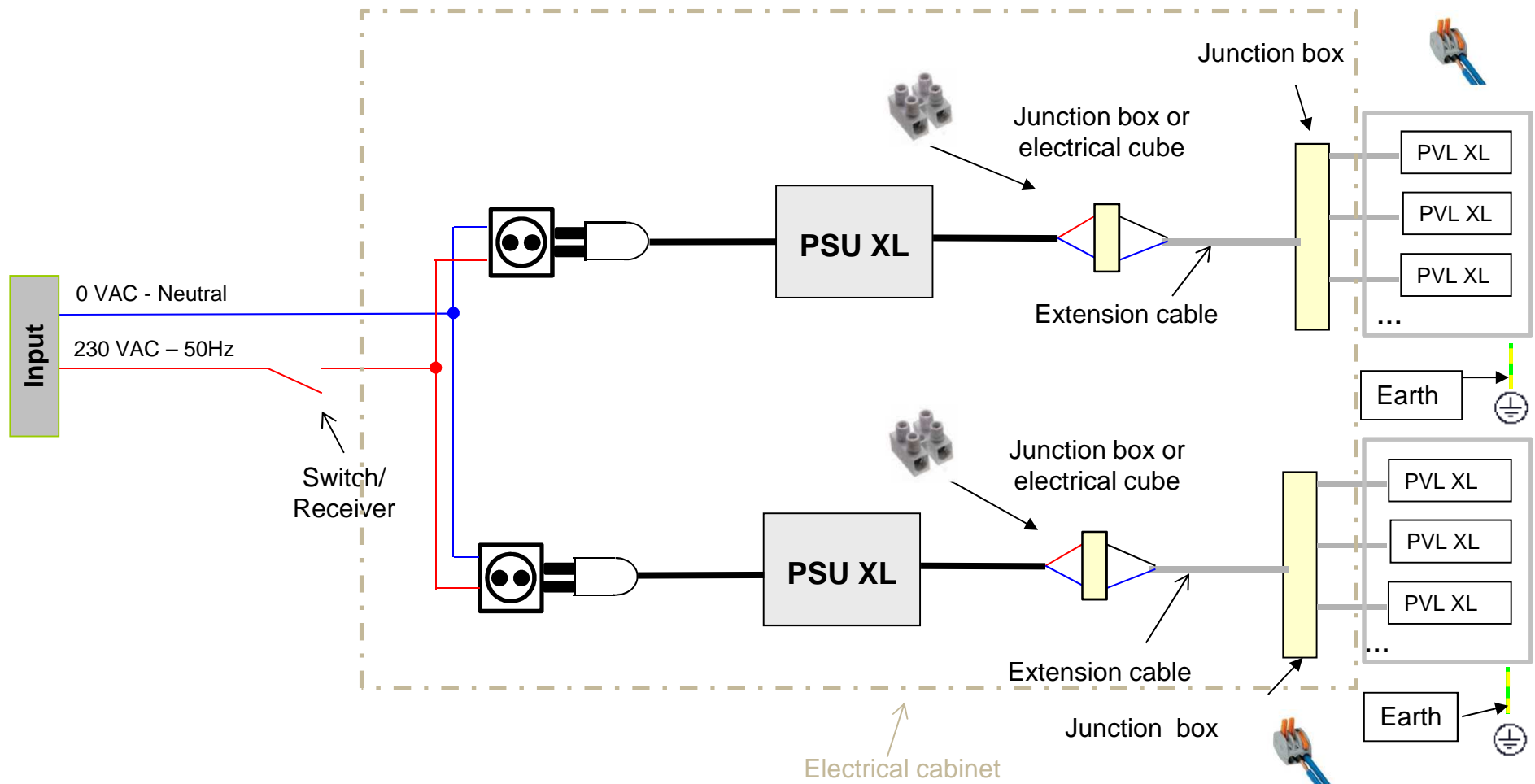
## 7. CONNECTION OF MAIN POWER TO PSU XL

The switch or the receiver of the remote control, and optional timer switch, must be connected in serial on the Input of the power supply unit.

Do not install switch between PSU XL and the Priva-Lite

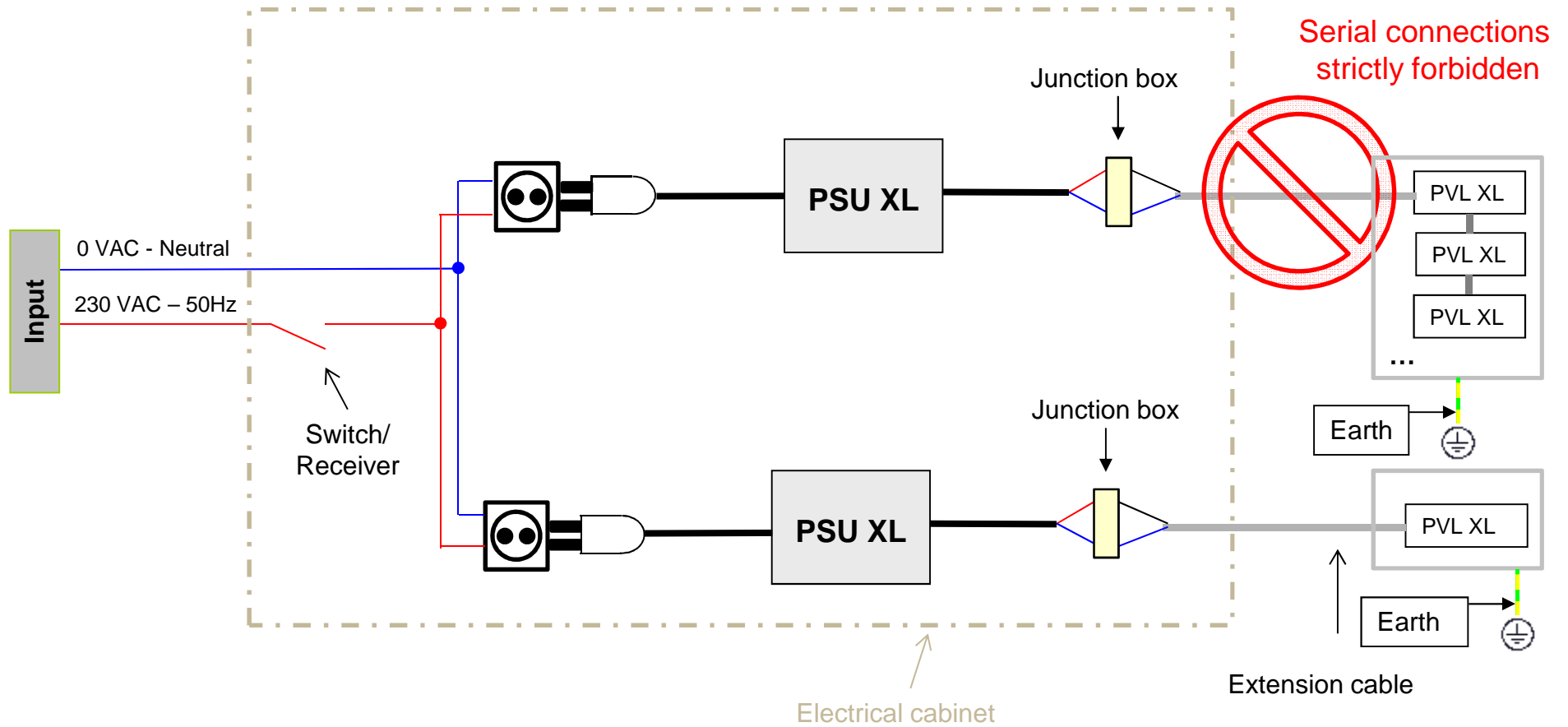


## 9. One switch for several PSU XL



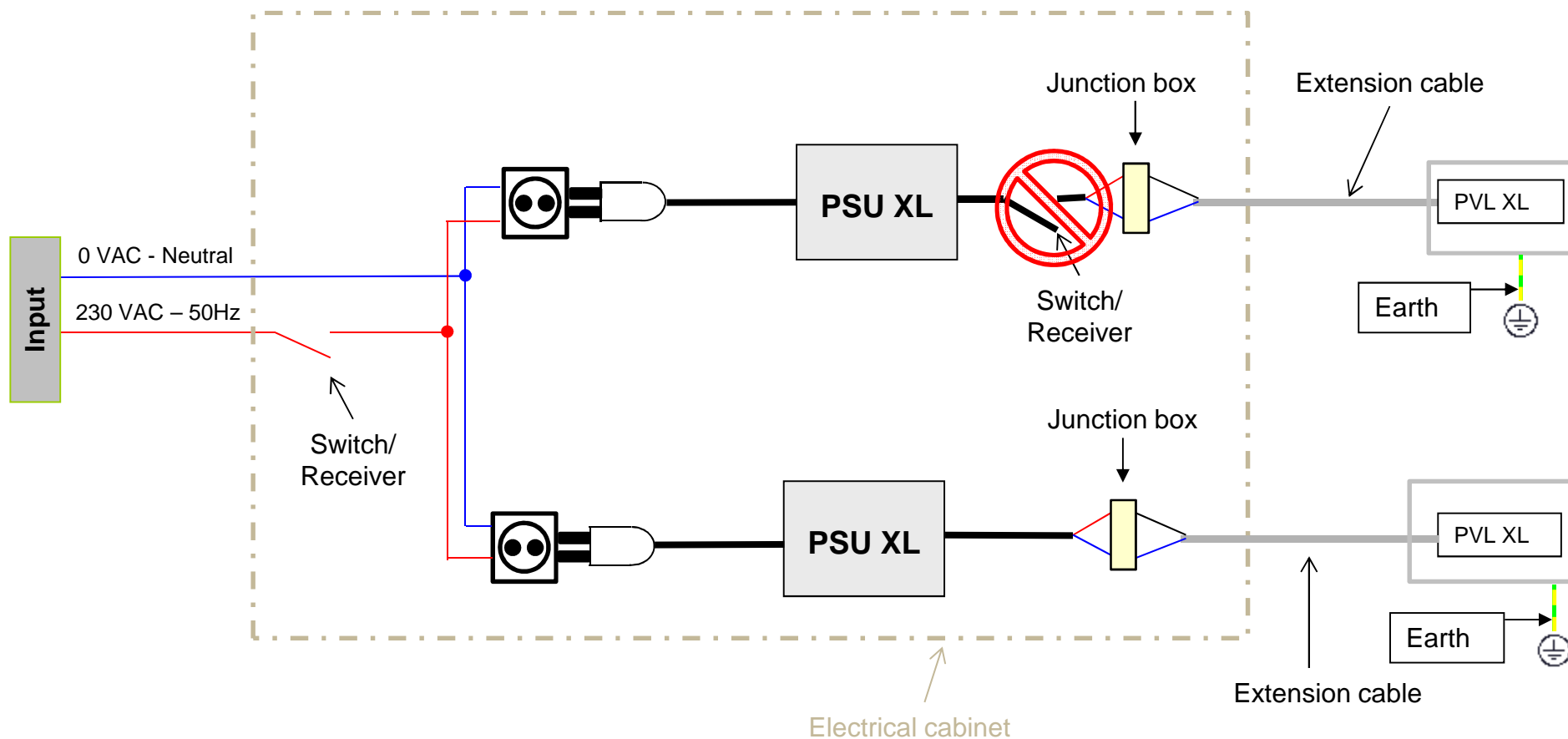
# 10. WRONG INSTALLATIONS

## 10.2 Panels in serial connection : STRICTLY FORBIDDEN



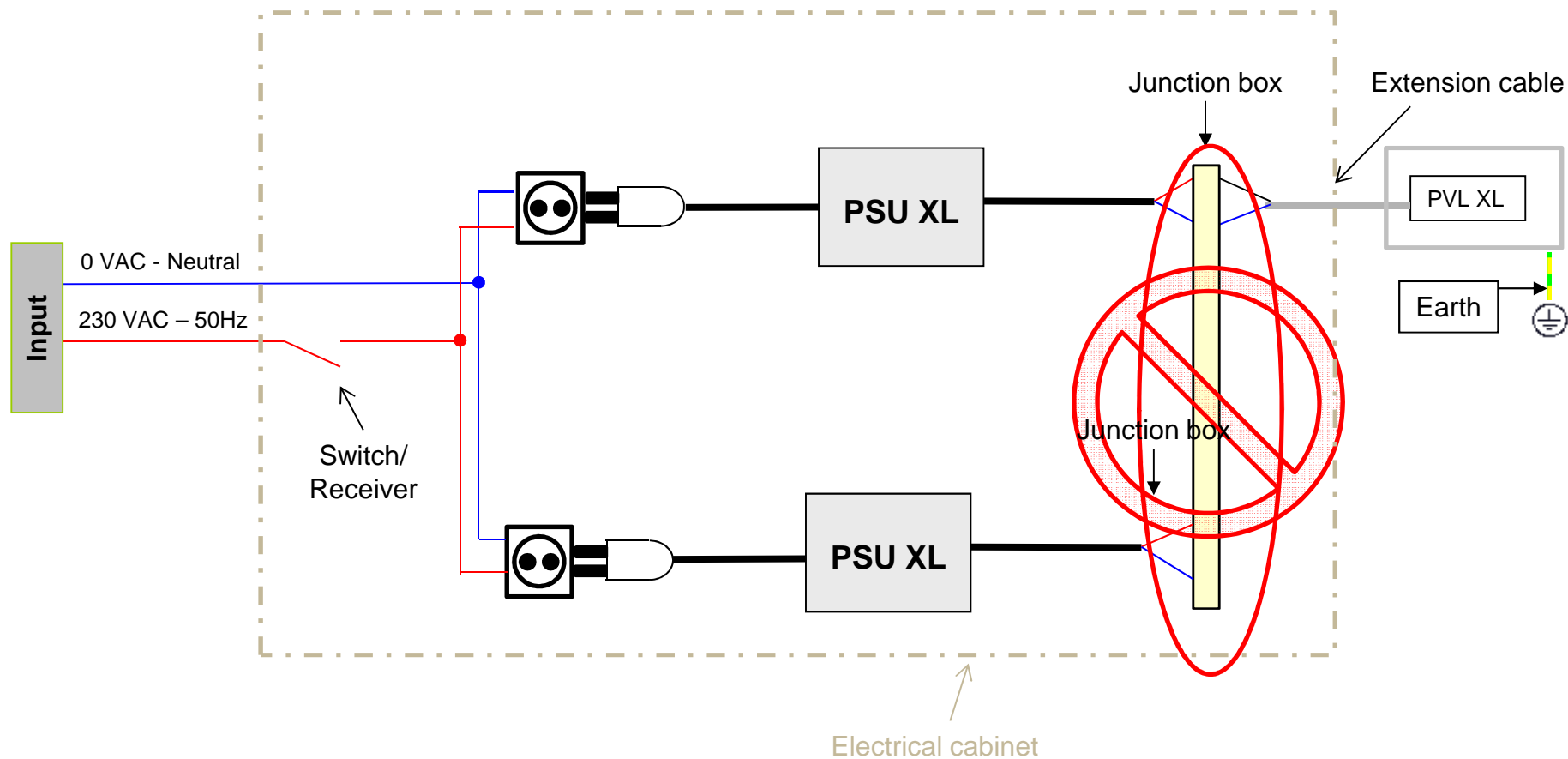
# 10. WRONG INSTALLATIONS

## 10.3 Switch between PSU XL and PRIVA-LITE XL panel : STRICTLY FORBIDDEN



# 10. WRONG INSTALLATIONS

## 10.1 Connecting one panel to several PSU XL : STRICTLY FORBIDDEN



## 11. Quick Remote Control installation

Quick Wall remote control set : Contains one transmitter + one emitter  
Emitter works up to 150m from receiver in favourable conditions.  
Emitter is allowed in wet rooms and shower cabins.



Receiver



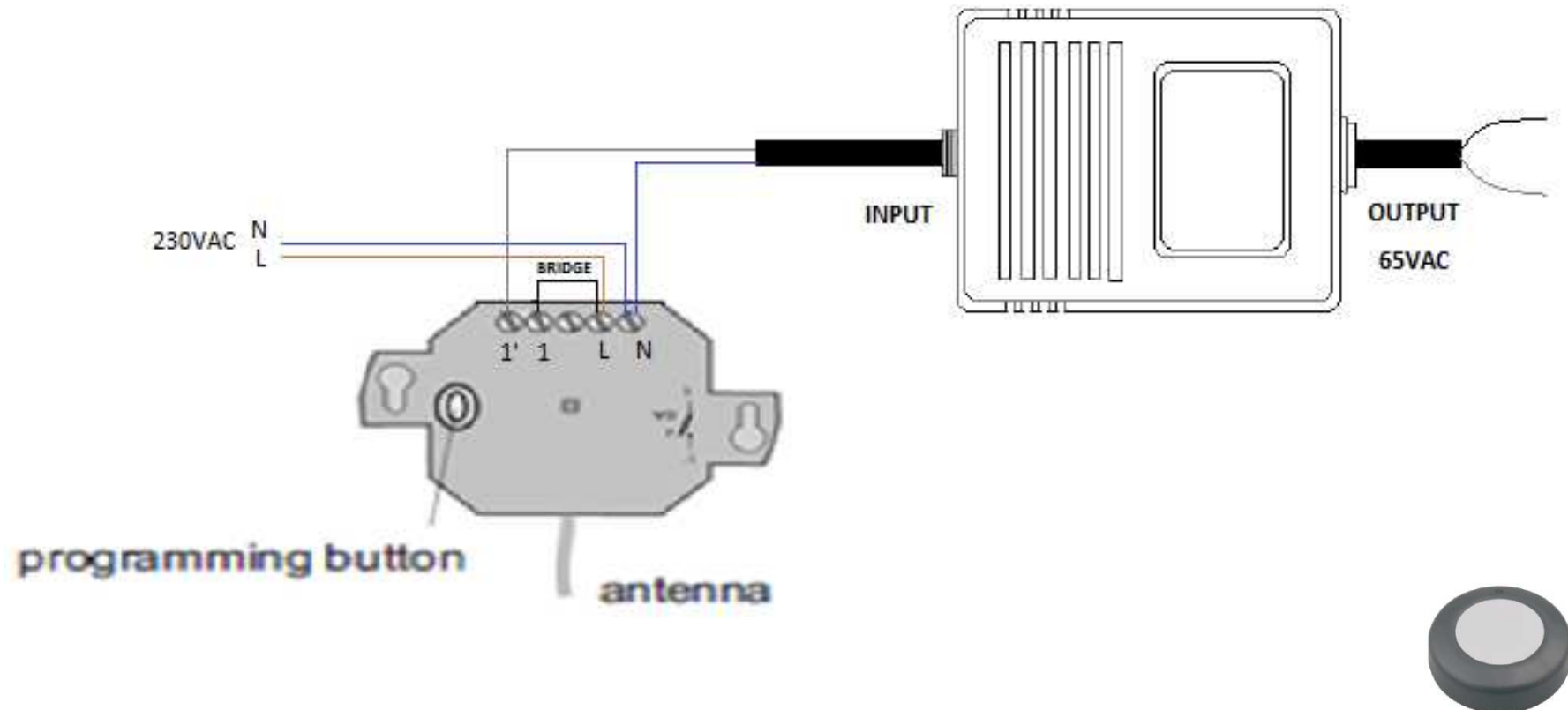
Transmitter



Transmitter in its wall fixation

## 11. Quick Remote Control installation

Quick Remote Control is installed before input of PSU XL power supply.

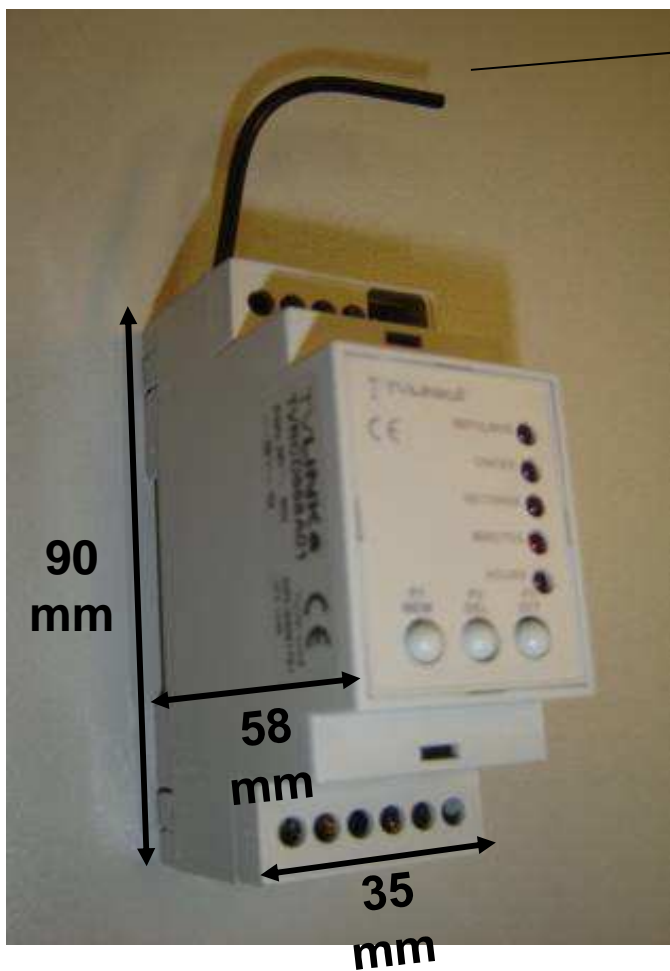


'Quick' Emitter (wall installation possible)

**Note:** Emitter of Quick Remote Control is already paired with receiver when delivered.

## 12. TELECO REMOTE CONTROL

Receiver

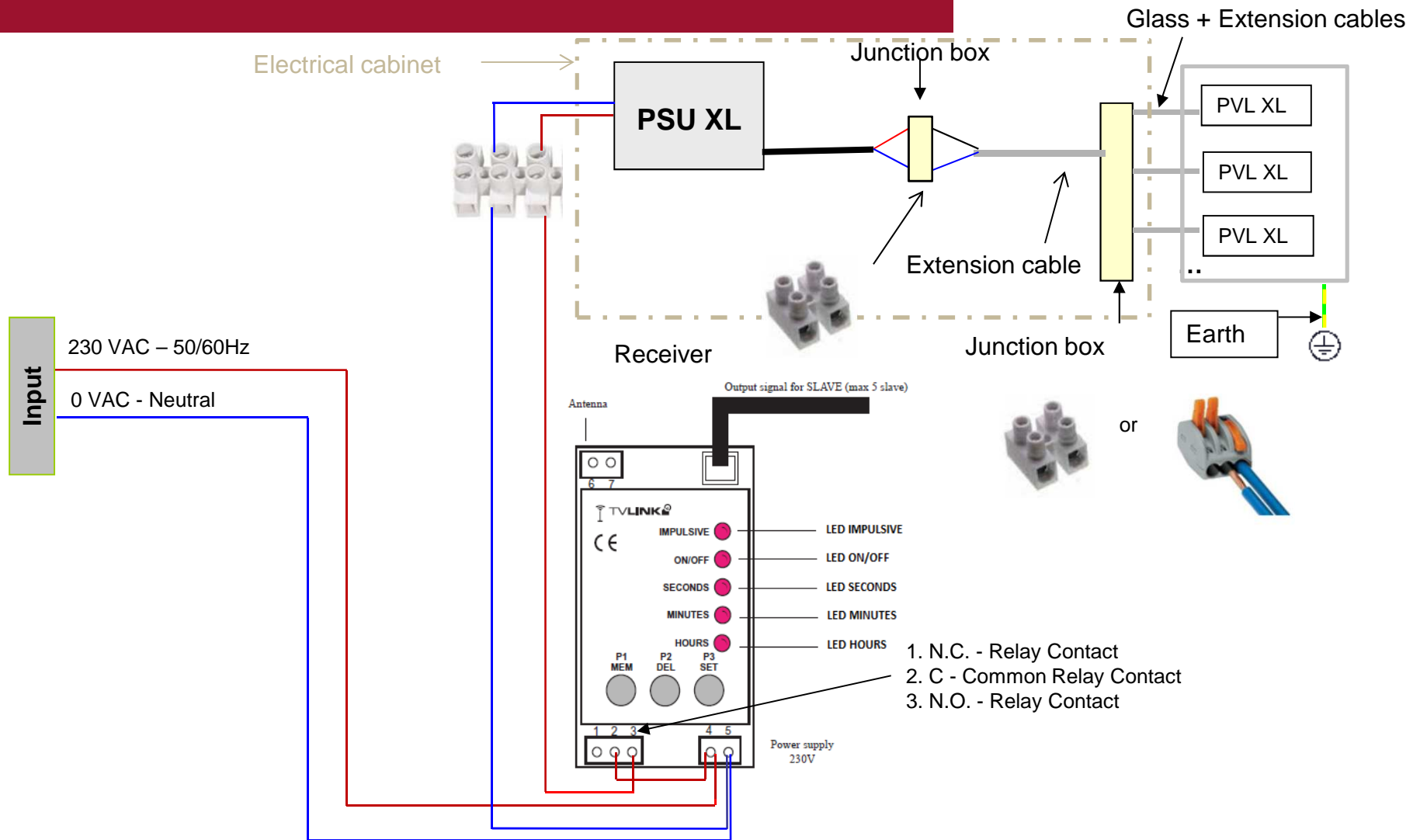


Transmitter

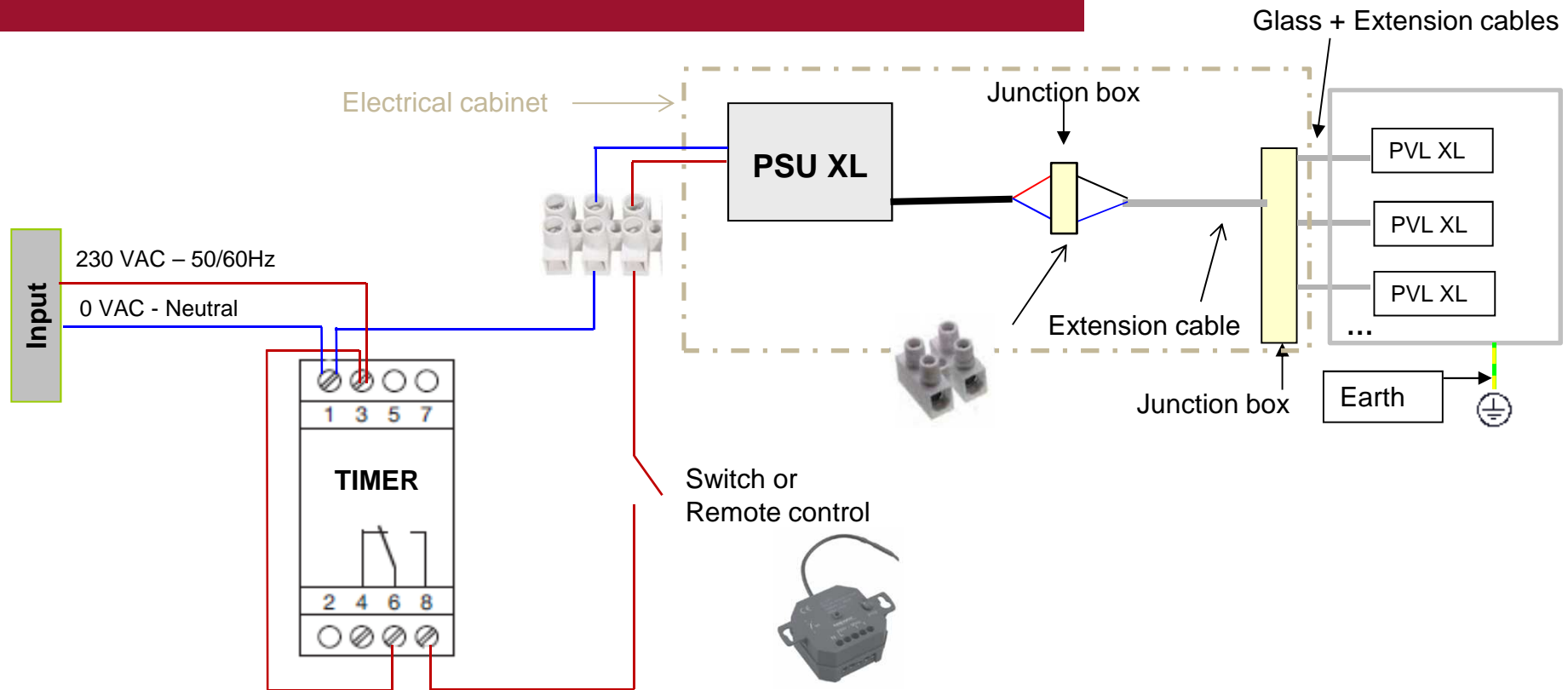




# 12. TELECO REMOTE CONTROL




## 13. TIMER INSTALLATION



Installation of a **TIMER** is optional, but strongly recommended, to keep the Priva-Lite hiding power quality, and preserve the product's life.

It is recommended to have Priva-Lite turned off (to opaque state) at least 1h per 24h.



This document contains all essential instructions for the electrical installation of PRIVA-LITE panels on the power supply unit PSU XL .

All documents previously published by Glassolutions Saint-Gobain are replaced by the present document.

Glassolutions Saint-Gobain has taken every reasonable measure to ensure that the information contained in the present leaflet was exact at the time of its publication.

However, Glassolutions Saint-Gobain keeps the right to modify or add any information without previous notice.