



## Planning/Installation Guidelines

These guidelines are preliminary guidelines for the designer and installer. Each product has an installation and activation manual.

A wide and detailed guide exists on the company's website.

Installation and connection of smart panels and HIGOAL products will be made by a qualified professional.

Power must be cut off before the product is connected/installed.

An entrance voltage connection and an out voltage for consumers will be based on the connection chart on the back of the product or chart supplied to the product.

Be sure to make a good connection to the Green connector and secure connection of the Green connector to the Panel connector.

Maintain a steady, straight installation against the wall. Assembling panel's glass can be done in one direction only.

Shutter connection/Wiring A momentary button requires changing the Dipswitch status. A guide is attached to every smart panel.

A smart panel HIGOAL replaces the mechanical switch box. In each location where a smart panel HIGOAL will be installed a prepare 3-gang wall mount,

Highly recommended to prepare a depth wall mount. (For information: in houses with an existing infrastructure, the panel is also adapted for installation in 4-gang wall mount.)

In a plaster wall, install a 3-gang wall mount without butterfly screws.

It is necessary to prepare a neutral line in each wall mount. In this wall mount, the consumers will be directly connected.

A single smart panel HIGOAL can control Lights, shutters, dimmers and also can be used to copy a button or activate a scenario.

The Panel's connection to the wall mount will be done manually (not a power drill). Do not use too much pressure when you connect the Panel to the wall mount, to avoid distorting the Panel box.

### Dimmer board

The connections should be observed in accordance with the product-attached guidelines.

Make sure that the light and/or driver and/or transformer body are dimmable.

**Tip:** To check a full compatibility, ask the lighting supplier to check the dimming of the relevant lighting body when connected to a mechanical dimming switch.

The installation of the dimmer board can be in the body of the lighting (and make sure that there is an existing constant phase), in the connection box and/or on the back of the smart panel (if there is enough room).

Make sure that you plan the wiring appropriate according to the connection instructions.

The dimmer board output is 200 watts. It is possible to simultaneously attach additional dimmer boards if necessary.



### Working with a straight-low voltage

Blinds in insulating glass is provided together with the "Reversing Voltage" controller (responsibility of the blinds supplier) and powered by dry touch to open/close.

There is a suitable HIGOAL NC/NO board that plugs into the smart panel's output to operate through the "reverse voltage" controller.

The appropriate wiring infrastructure must be prepared from the dedicated panel to the "reverse voltage" controller.

**Caution:** Do not connect the Blinds in insulating glass directly to the Panel's output. The connection to the Blinds in insulating glass will be done only through the NC/NO board (sold separately).

### Guideline for Measurements:

The smart panels are touch panels that include different indicators.

The height is recommended for easy use is 110-130 cm from the pavement line.

Glass Dimensions: Width 130 mm, height 85 mm. The Glass's hovering distance from the wall 5 mm.

### Dimensions in order to plan adjacent smart panels:

The distance between the glass frame and the 3-gang wall mount – Width: 15 mm, Height: 8 mm.

