

## TECHNICAL FILE:

### Dimmer



#### 1.- Technical specifications

Rated voltage: 216-253 V ~ 50 Hz

Dimmer rating: Min. 60 W ; Max. 400 W

Manufactured according IEC 60.669-21 and EN 55.015 standards

Flush mounting in universal box according EN-60-670 standard

Screw terminals (accepts from 1 mm<sup>2</sup> to 1.5 mm<sup>2</sup> cross section cable)

Protected against overload. . If an overload occurs it will automatically switch off the lights and slowly turn them on and off until the overload is removed and the dimmerswitch has returned to its usual operating temperature.

Any plate combination can be produced combining switches, sockets, dimmers,...

Any plate size according to your requirements.

#### 2.- Load specifications

Incandescent lamps (GLS lamp)

Halogen bulbs (GU10, G9 and similar lamps)

Electronic dimmable transformers (maximum 5 transformers per dimmer)

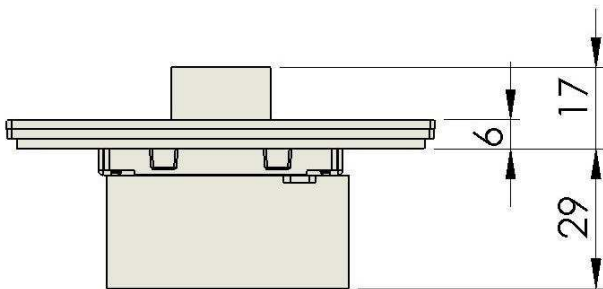
Note: Always use quality dimmable electronic transformers. Noise levels may vary depending upon the type and quantity of transformers used).

**Do not use this dimmerswitch for wirewound low voltage lighting transformers, non-dimmable energy saving bulb, fluorescent tubes or fans.**

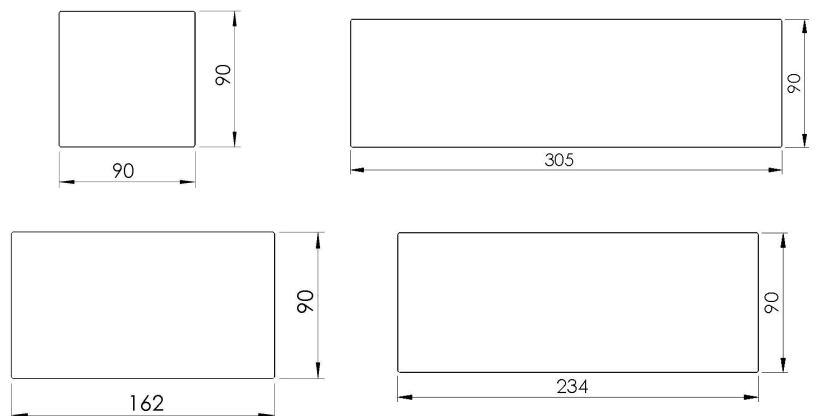
#### 3.- Certificate approvals

CE certificate

#### Height dimensions (size in mm)



#### Plate dimensions (size in mm)



## Installation diagram

### Fitting Your Dimmerswitch

Incorrect installation may damage the dimmer beyond repair. **In case of any doubt or difficulty consult a qualified electrician.**

1. Switch off at the mains, then remove the existing switch and disconnect the wiring from the switch terminals at the rear, taking note of the present wiring of the switch and the marking on the terminals. Where there are two or more wires together in the old switch, they must be kept together in the dimmerswitch.

2. Dimmerswitch can be fitted into a box with a minimum depth of 35mm . A box having 4 fixing lugs cannot be used without modifying it. The top and bottom lugs must be broken off or bent flat.

3. To connect the wiring for 1-way circuits or for 2-way circuits refer to the diagrams overleaf under the heading "Typical Lighting Circuits". If you are using a dimmerswitch in a 2-way circuit then you can only use one dimmerswitch in the circuit (an ordinary switch must be at the other end) and that dimmerswitch must be a push-on/push-off model.\* Take care that no bare wires project out of the terminals. Keep wires together in a terminal if they were together in your old switch.

4. Dimmerswitches having a metal front plate must be earthed by means of the earthing point provided on the dimmer.

5. After connecting the wires screw the dimmerswitch gently into the wall box so that the front plate is not distorted or cracked.

Do not trap the wiring between the rear of the dimmer and the back of the wall box.

6. Once installation is complete. Switch on the mains supply and switch on the dimmer, turning the control knob to give the desired light level.

A slight buzzing may be heard from the dimmerswitch in operation. This is quite normal.

