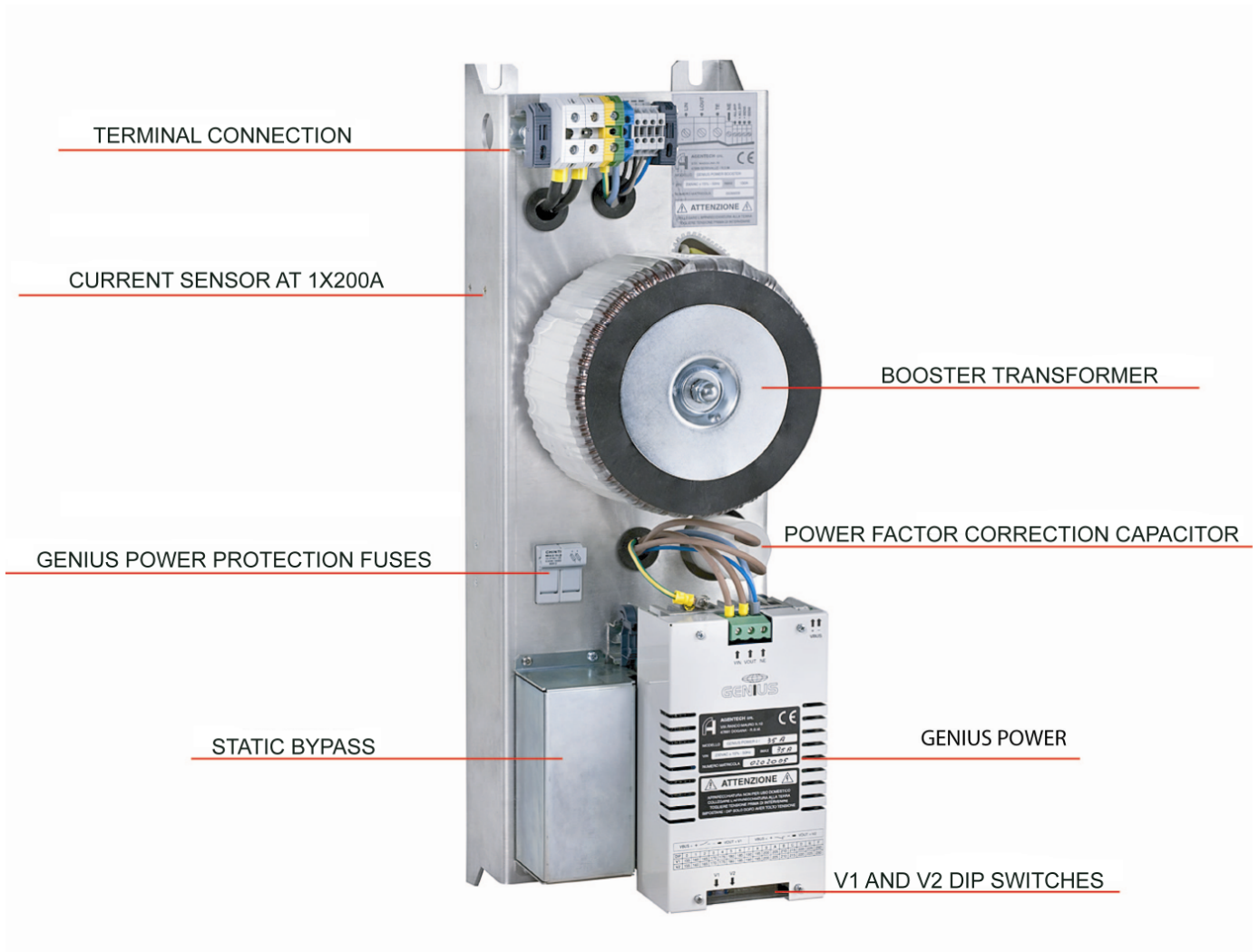


## CONTROL BOOSTER MODULE



### Available powers

#### Powers in single phase system:

14Kva (60Amp)  
17Kva(75Amp)  
21Kva (90Amp)  
25Kva (110Amp)  
32Kva (140Amp)  
39Kva (170Amp)

#### Powers in three phase system:

42Kva (3x60Amp)  
51Kva (3x75Amp)  
66Kva (3x90Amp)  
75Kva (3x110Amp)  
96Kva (3x140Amp)  
117Kva (3x170Amp)

(230Vx3)+N

## Lamp types

The Booster regulation module is suitable to regulate the voltage of all gas ballasted lamps, such as high and low pressure sodium vapors lamps, metal halide lamps, neons with iron and copper ballast, mercury vapor lamps.

## Regulation modes

### 1 - Dual System Power Mode with 2 time slots

With this module you can regulate the load voltage using the Dual System Power Mode, with the V1 and V2 dip switches on the Genius Power regulator.

In this mode, when the twilight switch or a control switch starts the electrical panel of the regulator, this ignites the lamps at the mains voltage value for about 4 - 5 seconds in order to launch the load, then automatically sets itself at 210V for 10 minutes in order to give the best power to lamps, then it switches to the first level V1, which can be set at your will, between the values starting from the mains voltage down to -25% of the mains voltage itself, with steps of 5 volts.

If you wish to enter the second level of regulation V2 (also with the possibility of variation between the mains voltage and -25% of the main voltage itself) using a simple electro-mechanical timer (which is already mounted on the regulator), you will set the wanted time. Once the timer gets it, the regulator will be positioned at the second level V2 with a ramp set up in seconds. You can regulate it with steps of 5Volt.

### 2 - Four Time Slots System with "Genius Control CTRL128 " electronic control



#### WARNING:

*Refer to the instruction manual of the "Genius Control" for easy understanding of the programming mode.*

In this mode the regulation dip switches V1 and V2 shall be excluded automatically and the Booster module sees only the electronic control. It ignites the lamps to mains voltage for about 4 - 5 seconds in order to launch the load, then automatically sets itself at 210V for 10 minutes in order to give the best power to lamps. This control lets you regulate linearly between the mains voltage and -25% of the mains voltage itself – so you can not use 5 Volts steps like the Dual System Mode described previously - . With this mode you can also use an analog input for the "**Genius Sensor**" probe. This allows the lamps' voltage regulation depending on sunlight entering through the windows, in case of application in plants.

In this case the 4 time slots can be set to Lux Mode with fixed voltage. Alternatively you can set to Lux Mode and Time Mode using the electronic timer on the "**Genius Control**".