# USE WITH DIMMERS

There are basically 3 types of phase cut regulators:

- **steep front / leading edge / regulation to TRIAC ( L )** - (Fig. 1):
suitable for the regulation of purely resistive loads (halogen and / or incandescent lamps) and electromechanical transformers (toroidal and / or lamellar), it produces greater deformations of the waveform and therefore requires a filter to limit radio disturbances. This filter, unless otherwise indicated on the instructions of the individual products, it is already included in the regulator and guarantees compliance with the "CE" marking regulations. The use of this filter generates buzz in the equipment itself.

- **soft front / trailing edge / IGBT regulation ( C )** - (Fig. 2):
technology specifically designed for the regulation of electronic transformers, LED lamps, CFL. It is the best choice for all lamps. It doesn't make any stress. It produces less deformation of the mains voltage and does not need filters to limit radio disturbances, the system is therefore silent.

- **mixed (hybrid) technology, MOSFET / TRIAC regulation ( LC )** - (Fig. 3):
synthesis of the two previously described systems, requires no external filter and is silent. Suitable mainly for the regulation of resistive and inductive loads (such as TRIAC technology), it also regulates some types of electronic transformers.