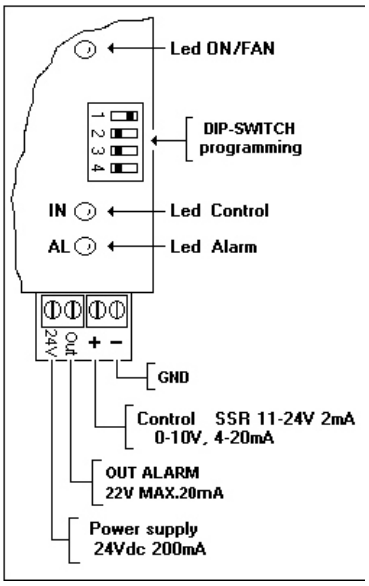
M-RS45 / 225PC Single phase 240-440V AC 50-60Hz.

G.S.E.I. Controlli
Elettronica
Industriale

ELECTRICAL CONNECTION CONTROL



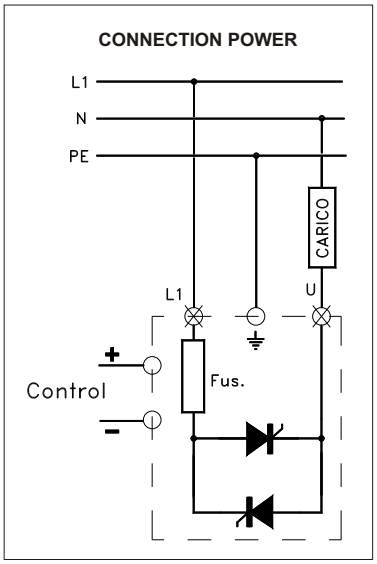
BEHAVIOR OF SIGNAL LED

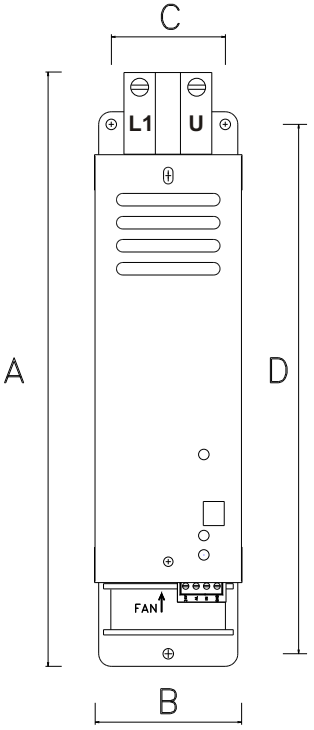
On the front of the relay are the following three visual LED.

- Led **ON / FAN**: Report with a pulse interval extended the presence of power control board. With **double-pulse** interval prolonged signals the activation of the cooling fan. With the **continuous lighting** signals the temperature overshoot permissible operating on the heat sink of 85 °C with consequent activation of the output signal of **alarm.**
- Led **IN:** Operates in the presence of any control signal connected to terminal **IN.**
- Led **AL**: Indicates the presence of the following abnormalities (only after the first control signal) switches the output **AL**.

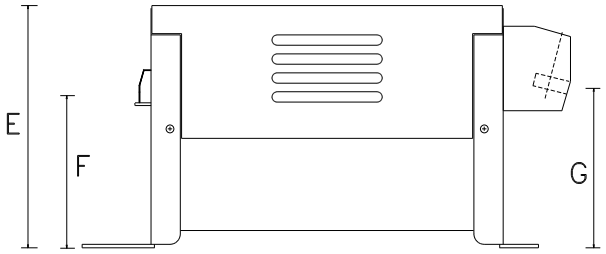
1) **No voltage** on terminal L1 when the board is powered.
2) Break the **speed fuse** inside the group.
3) Break the **total load** controlled.
4) Break the **semiconductor** double SCR.
5) Overcoming the heat sink temperature where it is put the semiconductor (85°C). The causes can be the overload current to switch from the nominal value, breaking the fanor exceeding the internal temperature of the electrical panel where it is applied the relay (45 ° C).

CONNECTION POWER





MECHANICAL DIMENSIONS



Versions	A	B	C	D	E	F	G
45−65−85A	284	70,5	54,5	253	141	88	93
125−150A	348	95	79	333	169	118	119
180−225A	385	106	87,5	373	196	116	136
Dimensions in mm.							

INSTALLATION:

The cabinets in which static relays are mounted, must have a capacity of ventilation or that conditioning that during operation the temperature inside them does not exceed 45 ° C. And 'recommended the use of fuses and breakage adequate flow to the model used (see plate located on the relay). Verify that the solid state relay corresponds to voltage and current required application. Use the appropriate wire to suit the application.
The static relays must be mounted vertically, avoid mounting in overlapping rows, leaving an adequate space between them so that there is a good exchange of air. To properly activate the solid state relay, during ignition, delaying rye Control (Sec 0.3 min) and during Off exclude the first control signal and then the power. In the cabinets where they are used the static relays for the safety of people must be used the differential circuit or devices that detect the leakage to ground.

Maintenance:

The maintenance work should be done by skilled and educated about the risks of electrical nature.
Before acting on static relays make sure to remove tension. Wait for the solid state relay has cooled. In the event of rupture of the high-speed fuse, the replacement should be the same type, or with others that we have the same power to break (see I2t data sheet). Every 6 months check electrical connection closures the solid state relay. Periodically check that the cabin has not changed the conditions of heat exchange (max 45 ° C). Verify that the solid state relay has not obstructed ventilation (if ventilated).