

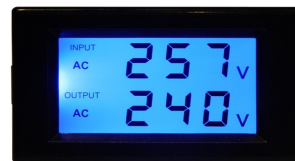
AC Voltage Stabiliser

QuadCore 1

Maintenance-free voltage regulation without moving parts.

No tapped transformers, no servos, no need for shielding and filters.

When the voltage is too low or too high, this QuadCore 1 will reliably stabilise the single phase voltage with high precision.



QuadCore is compatible with all loads: Motors, heaters, inverters, machines.

Reliable thyristors and multiple transformers stabilise over- and under-voltage.

No switching in the power path, no switching in the sine wave; no switching at all.

Just smooth and stress-free component selection at zero-crossing moments.

QuadCore 105, 110 and 115 for 5kW, 10kW and 15kW.

Duty cycle: 100% for maximum continuous power.

Overloads: 150% for 20 seconds, 300% for 5 seconds.

Output is 220V or 230V or 240V - +1.5%, fine adjustable.

Efficiency is 98%.

Operating ambient temperatures are -15 to 45 degrees C.

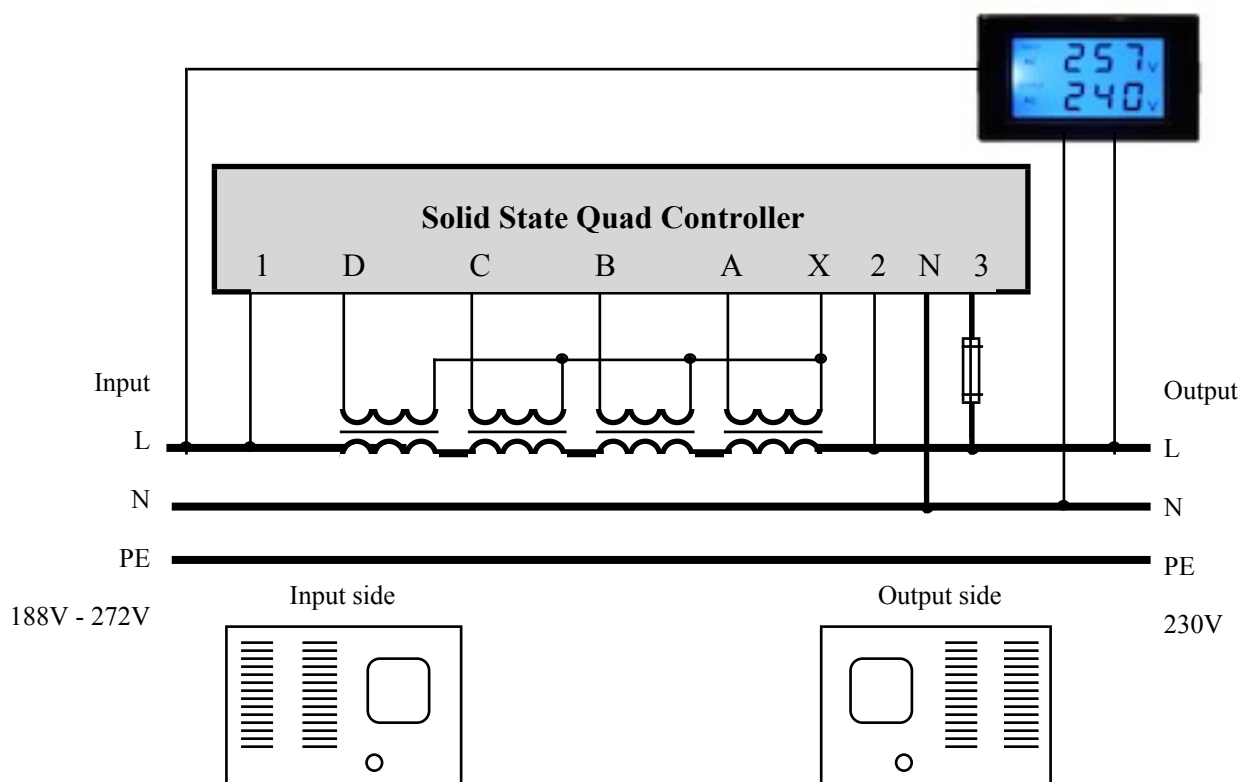
To be used in a dry and ventilated room.

Dimensions are W410 x L790 x H 370 mm. Powder coating is satin black.

Weight of QuadCore 105, 110 and 115: 65kg, 80kg, 95kg.



Install a QuadCore 1 for Single Phase



Power is available after a complete self-test which takes about a minute. Single phase output currents are QuadCore 105: 22A, QuadCore 110: 44A, QuadCore 115: 66A max. Input current at a high input voltage is lower than the output current and vice versa. Max. input current is 30A, 60A, 90A. If used with motors, use a d-curved or medium speed overload breaker. QuadCore cannot produce a wrong voltage; a self-test circuit will automatically disconnect in case of a malfunction or a blown fuse.

Flexible installation:

Use a single phase plug which can either be connected to the QuadCore output or to Mains power.

Fixed installation: Use a changeover switch:

