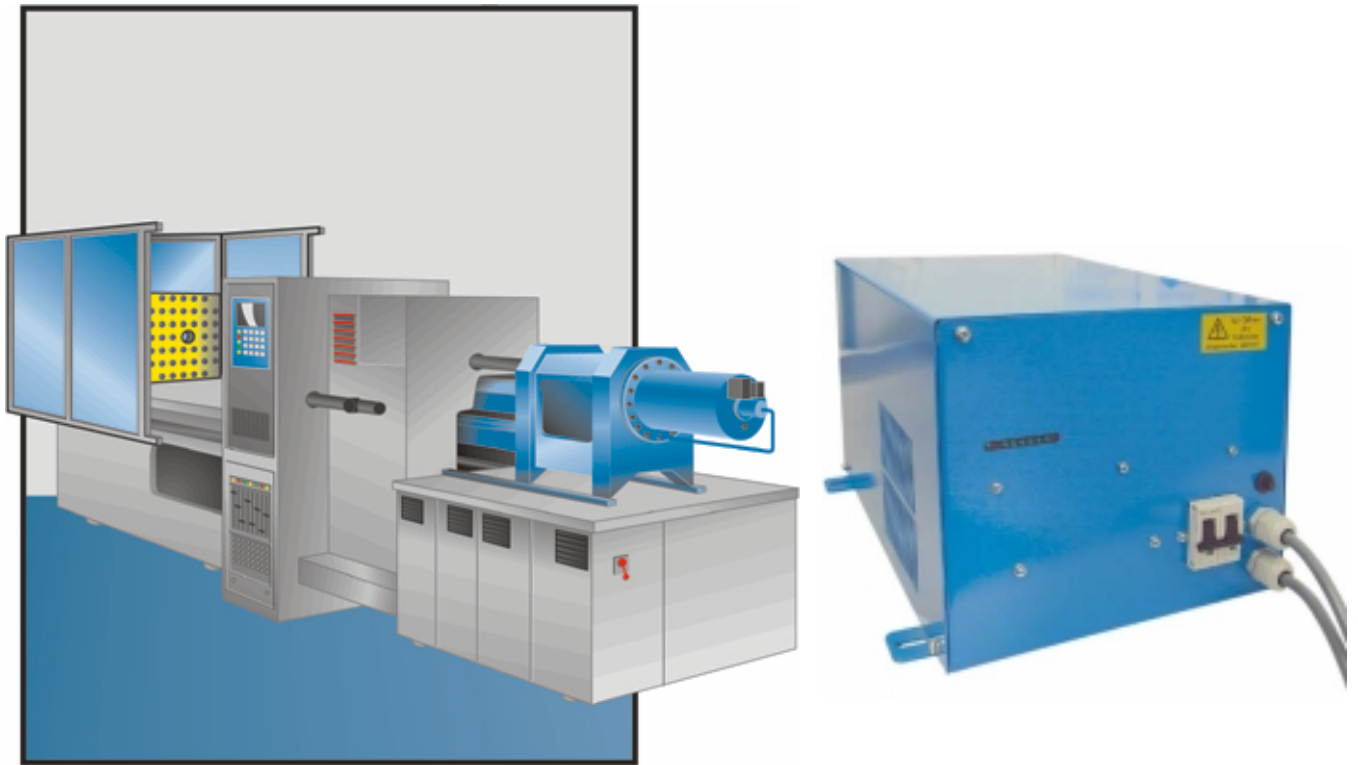


**Electronic Voltage Stabiliser**

**REOTRON MEK 7711**

Enclosed Version (IP 20)



- Ready to plug-in unit
- Input voltage variation range  $\pm 25\%$
- Output voltage tolerance  $\pm 6\%$
- High response times using fast microprocessor
- LED display of the voltage level
- Integrated soft-start
- Integrated soft-stop
- Built-in semiconductor fuses
- Thermal protection switch on the output side

# Electronic Voltage Stabiliser

## REOTRON MEK 7711

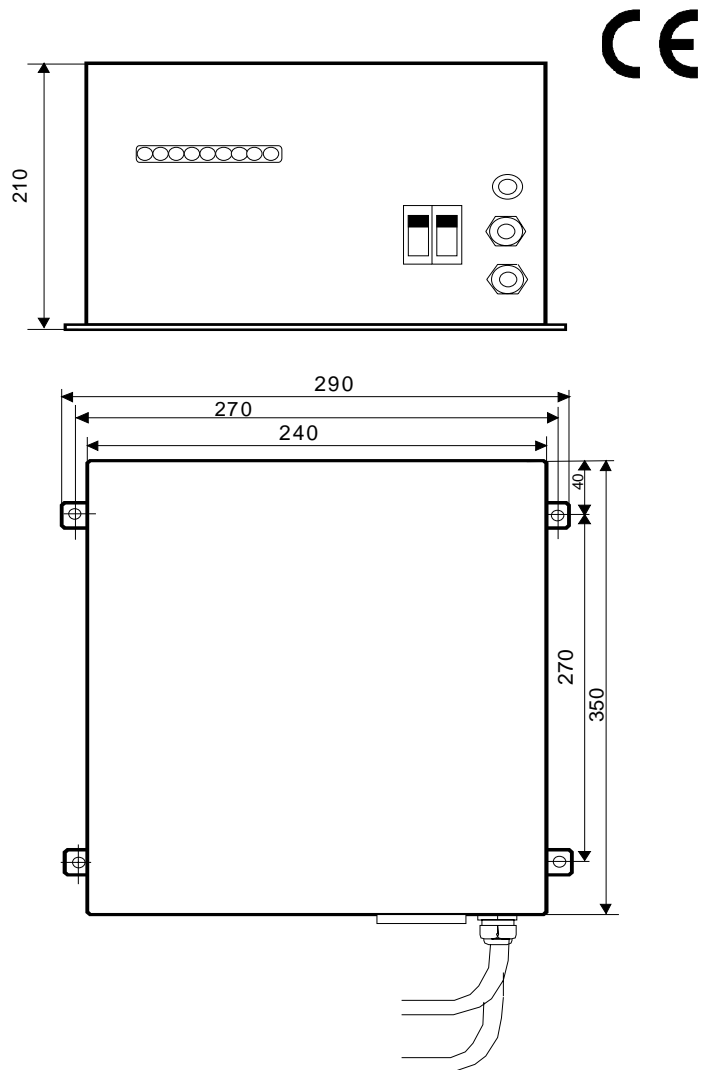
The REOTRON MEK 7711 provides a stabilised voltage within  $\pm 6\%$  of nominal for a wide range of different supply voltages. It is possible to accommodate a variation on the supply of up to  $\pm 25\%$ . The unit is delivered with plug-connectors fitted and is ready to operate with the equipment that requires a stable supply.

The output voltage is adjusted in 6 steps so that the input voltage range of 75% to 125% is stabilised to 94% to 106% of the effective 230V output. This is achieved by using an auto-transformer with a primary winding that has multi-tappings which correspond to different supply voltages. On the secondary side there are a further six tappings, which are connected to the output circuit through solid state switches (triacs). A microprocessor controller determines the appropriate tapping, depending to the input voltage level. In this way a constant output voltage is maintained.

Externally, a row of LED's are used to indicate whether the voltage is outside the allowable limits and which tapping has been selected. A soft-start prevents false tripping when the unit is powered-up.

Surge suppression is available as an optional extra.

Type	REOTRON MEK 7711
Input voltage ratings:	$\pm 25\%$ 200 V, 220 V, 230 V, 240 V, 254 V, 100 V, 110 V, 115 V, 120 V, 127 V
Output voltage:	$\pm 6\%$ 230 V
Mains frequency:	$\pm 3\%$ 50 / 60 Hz
Throughput power:	1 kVA / 2 kVA
Operating temperature:	0...+45 °C, -20...+45 °C selectable
Construction:	IP 20
Regulation time:	With 50 Hz From $-25\%$ to $+25\%$ in 120 msec. with 60 Hz in 100 msec.



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Subject to technical modifications without prior notice.