

DESCRIPTION OF OPERATION



Controllable current amplifier type **20RE10** must be supplied with the voltage **24V** full waved rectified to terminals: positive end to contact **24ab**, negative end to contact **18 ab**.

From supply voltage via constant-voltage regulator stabilized voltage $\pm 9V$ at contacts: **10ab (+9V)**; **16ab (-9V)** is achieved.



This voltage supplies an outer stabilizer **P zew**, which is used to control output current. The traveler of this stabilizer should be connected to contact **12 ab**.

The solenoid of the valve should be connected to contacts: **20ab** and **22 ab**.

On connecting the amplifier type **20RE10** following adjustment should be completed:

- initial current (potentiometer **lo**)
- max current (potentiometer **I reg**)
- pulse rise time (potentiometer )
- pulse decay time (potentiometer )

If the controlled system does not require the adjustment of pulse rise and decay time, contacts **4ab** and **2ab** should be shorted.

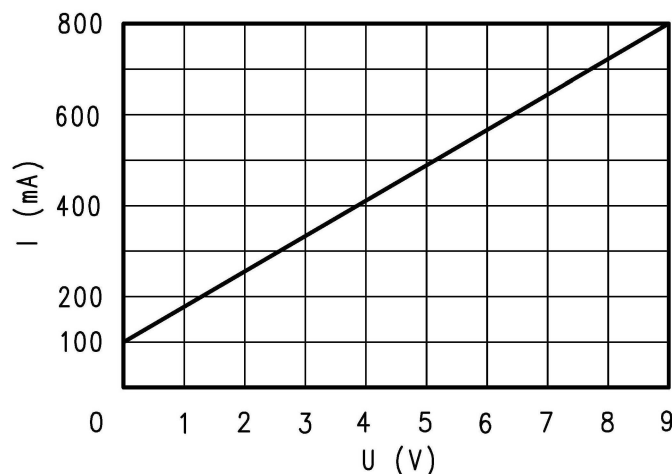
Potentiometers **lo**, **I reg**, ,  are placed on the frontal plate of the amplifier.

Reference current is fixed by the factory and should not be changed $I = 200mA$

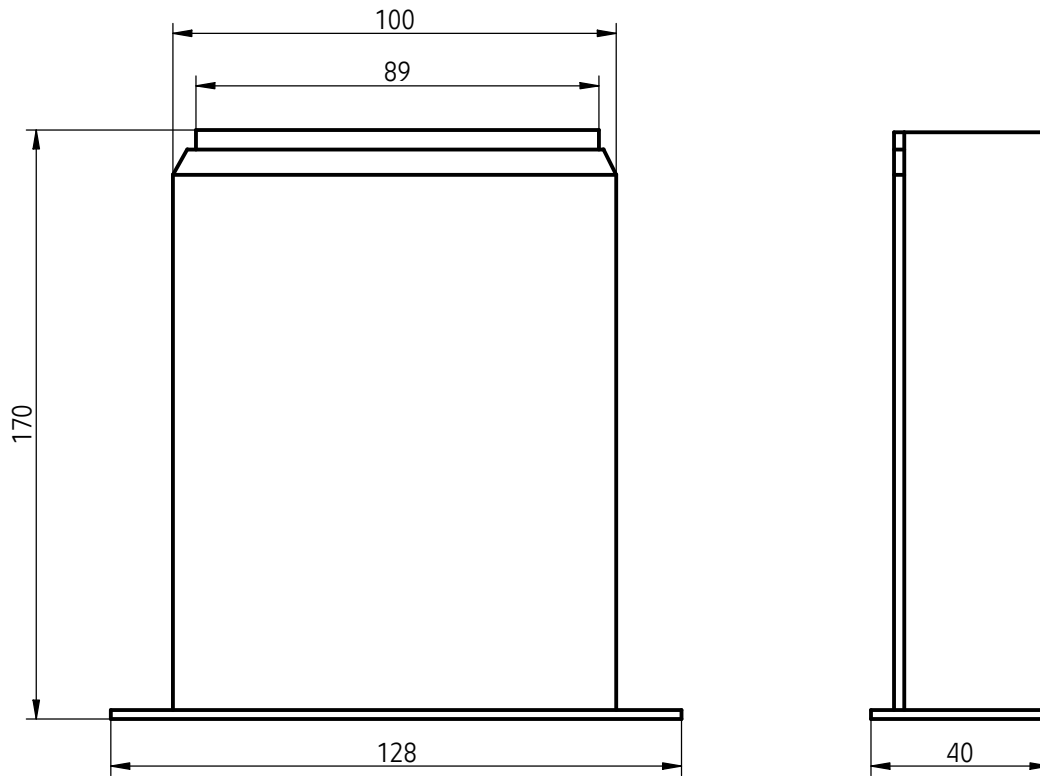
TECHNICAL DATA

Supply voltage (full waved rectified/unstabilized)	24 V
Power	25VA
Max current	800 mA
Initial current	100 mA
Reference current	200 mA
Reference frequency	200 Hz
Max load resistance	30 Ω
Min outer potentiometer resistance	1 kΩ
Linearity	0,5 %
Temperature factor	0,05 %/ °C for I_{max}
Operating temperature	0 - 50 °C
Weight	0,3 kg

PERFORMANCE CURVES



OVERALL DIMENSIONS



HOW TO ORDER

20RE10			★
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Version
with plug type **811064** = **W**

Series number
(10 -19) - installation and connection dimensions unchanged
series 10 = **10**

Additional requirements in clear text
(to be agreed with the manufacturer)

NOTES:

The amplifier should be ordered according to the above coding.
Coding example: 20RE10 W 10

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