

Regulator RH(V)12 is dedicated to adjust the voltage supplied for the different electric loads (motors, heaters, lighting). Performs phase control.

It is designed to work with the controller with continuous output - ver. **RV** or you can adjust the potentiometer on the unit - ver. **RH**.

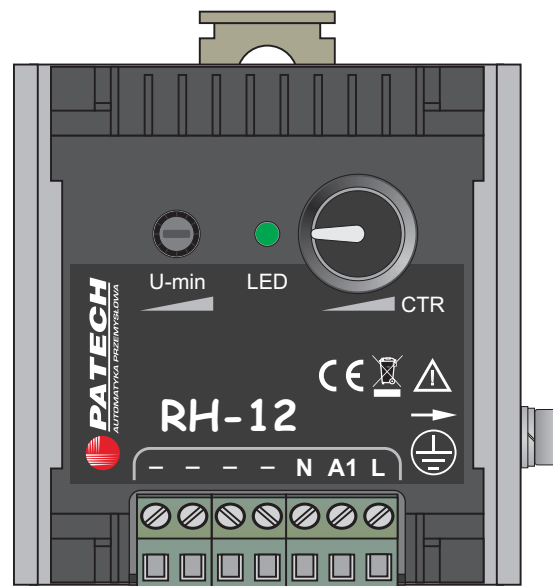
Inputs and outputs are galvanically isolated ( $U_i=2500$  Vac).

All versions have a built-in snubber RC for protection of the triak.

Housing mounted on the DIN rail [En520035].

#### Application for Control:

- temperature electric ovens,
- linear or spot welders,
- primary-side voltage transformers,
- lighting,
- fan speed, mixer speed, etc.



#### TECHNICAL DATA

<b>Output LOAD</b>	12 A
<b>Power supply</b>	195... <u>230</u> ...253 V a.c.
<b>Supply voltage frequency</b>	50 Hz
<b>Power consumption</b>	<2,5 VA

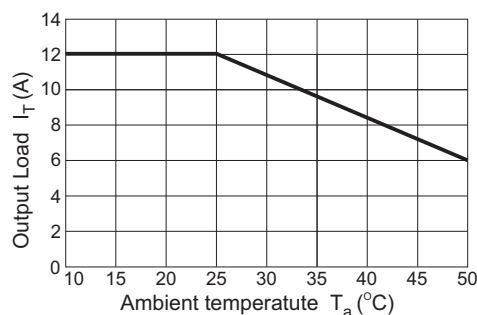
#### Type of control:

- continuous signal	0...5 V (10 V)	- input impedance >10 k
<i>ver. RV</i>	4...20mA	- input impedance =250

- potentiometer (integrated)  
*ver. RH*

<b>The relative humidity</b>	25...85 %
<b>Operating temperature</b>	0...50 °C
<b>Storage temperature</b>	-25...70 °C

<b>Protection degree</b>	IP20 (EN 60529)
<b>Conforms to</b>	EN 60947
<b>Dimensions</b>	72 x 50 (57) x 91 mm
<b>Weight</b>	67 g

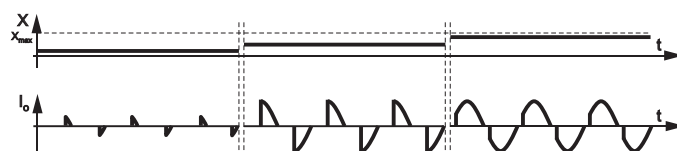
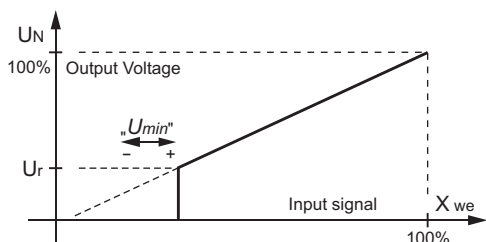


#### Transfer Multisort Elektronik Sp. z o.o.

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## VOLTAGE REGULATOR

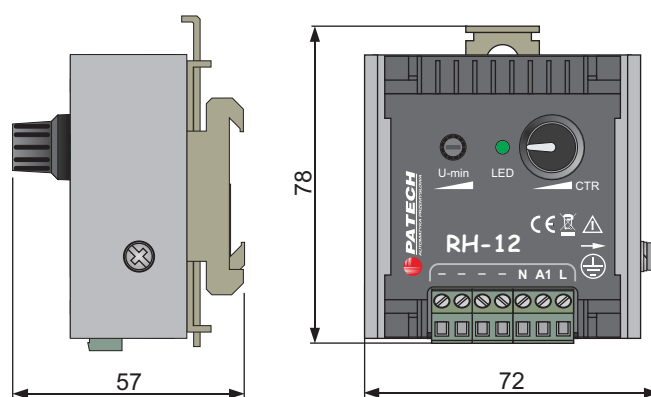
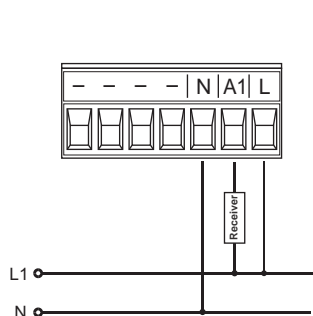
The voltage regulator performs phase control. You can adjust the potentiometer "CONTROL" - wer. **RH-12** or one of the four ranges of the analog input signal- wer. **RV-12**.



You can set the initial value of the voltage  $U_r$  (eg. starting voltage for the motor)  $U_r$  range: 0 to 130 V (potentiometr "U-min").

### RH - 12 / adjust the potentiometer /

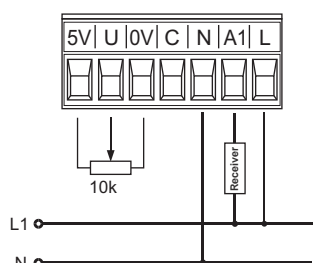
#### WIRING DIAGRAM



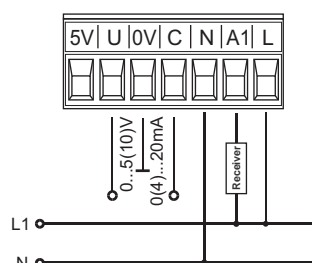
### RV - 12 / universal analog input /

- set - A** control 0...5V or external potentiometr (terminal U)
- set - B** control 0...10V (terminal U)
- set - C** control 0...20mA (terminal C)
- set - D** control 4...20mA (terminal C)

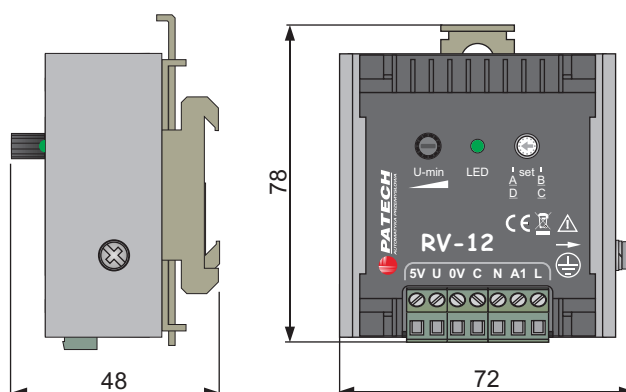
#### WIRING DIAGRAM



Control of external pot. it is possible with the set measuring range 0...5V.



Wiring diagram for the remaining performances.



Note: In order to meet the EMC requirements in terms of noise emissions, should be used in the load circuit Inductor or noise filter.

 [www.tme.pl](http://www.tme.pl)

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