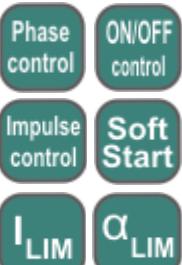


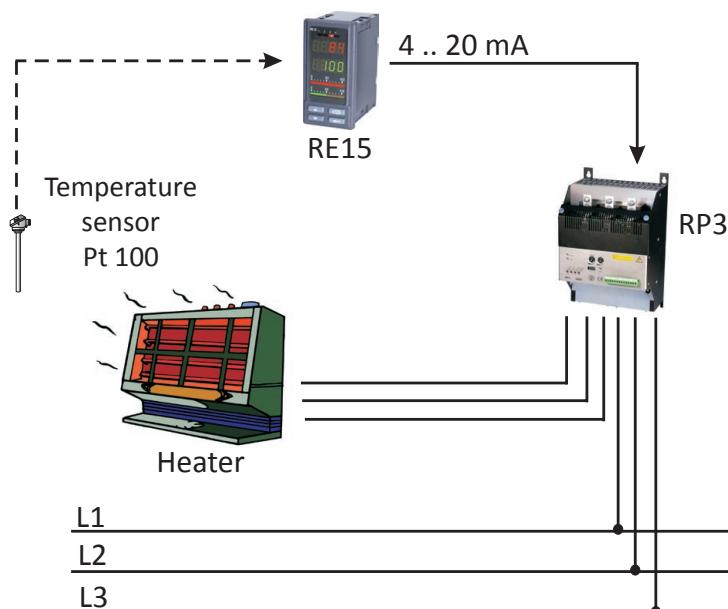
# RP3 THREE - PHASE POWER CONTROLLER

## FEATURES:



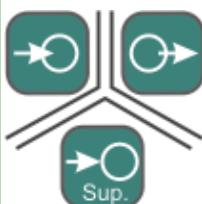
- Contactless power switching on.
- For power control of resistive and inductive load.
- Output current up to 450 A.
- Signaling of incorrect phase sequence.
- Signalling of fuse damages.
- Trigger deceleration of "softstart" type.
- Control of the initial trigger angle value.
- Load current limitation.
- Trigger stoppage by an external signal.
- Alarming relay outputs.
- Control by an impulse, continuous or potentiometric signal.
- Phase, impulse, on/off control.

## EXAMPLE OF APPLICATION



Control of a three-phase heater.

## GALVANIC ISOLATION:



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## INPUTS

Input type	Range	Remarks
potentiometric	0 .. 10 kΩ	
impulse	0/4 .. 32 V	$R_{in} = 20 \text{ k}\Omega$
continuous	0 .. 5 V	$R_{in} = 20 \text{ k}\Omega$
continuous	0 .. 10 V	$R_{in} = 40 \text{ k}\Omega$
continuous	0 .. 20 mA	$R_{in} = 125 \Omega$
continuous	4 .. 20 mA	$R_{in} = 125 \Omega$

## OUTPUTS

Output type	Properties	Remarks
thyristor	40, 70, 125, 200, 300, 450 A	3 ~ 400 V, 50 Hz
alarming relay PK1	60 mA, 350 V, $R_{on} = 35 \Omega$	signaling of fuse damages, control error or incorrect supply connection
alarming relay PK2	60 mA, 350 V, $R_{on} = 35 \Omega$	signaling of work stoppage (STOP) or overflow of the admissible operation temperature

**SEE ALSO:**

Controllers.



Temperature sensors.



For more information about LUMEL's products please visit our website: [www.lumel.com.pl](http://www.lumel.com.pl)

**ORDERING**

RP3 - X X	
<b>Current range:</b>	
maximal output current 40 A	1
maximal output current 70 A	2
maximal output current 125 A	3
maximal output current 200 A	4
maximal output current 300 A	5
maximal output current 450 A	6
<b>Acceptance tests:</b>	
without additional quality inspection requirements	8
with an extra quality inspection certificate	7
other requirements*	X

**Ordering example:**

The code: RP3 - 2 - 8 means:

- RP3 - power controller of RP3 type
- 3 - input current 70 A, in the range of voltages supplying the load circuit: 3 ~ 400V
- 8 - without additional quality inspection requirements.

\* after agreeing with the manufacturer

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