

One phase thyristor speed controller TRIACRATE

1. Technical data

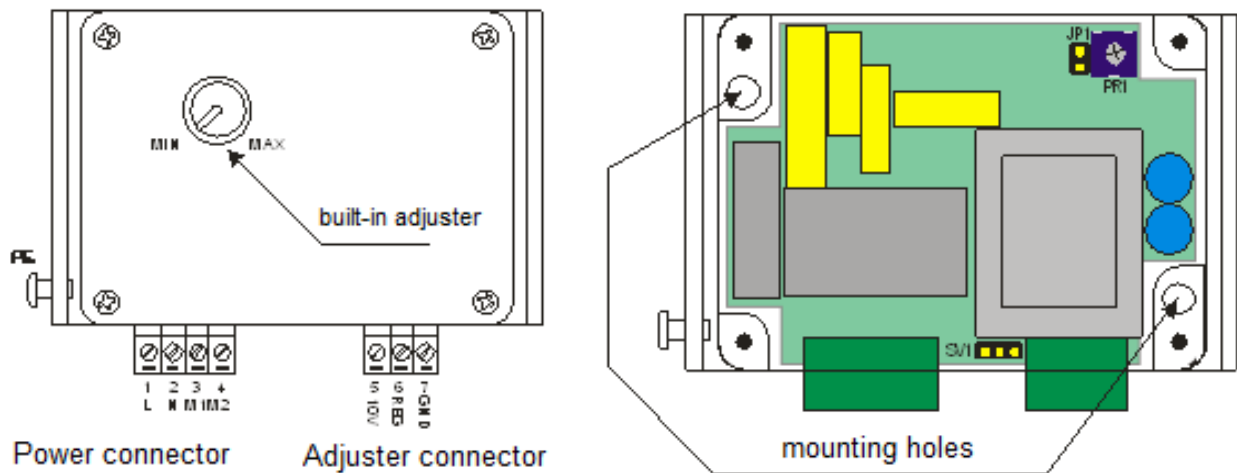


- Dimensions: 100 x 80 x 45 mm
- System: TN
- Supply voltage: 1x230V / 50Hz
+/- 10%
- Maximal current load: 10A
- 0 – 10V control or using
adjuster
- Degree of protection: IP20
- Operating temperature: -20
+50 °C
- Storage temperature:
-20..+70°C
- Softstart function
- Initial angle control
- Built-in adjuster (option)
- Panel adjuster (option)

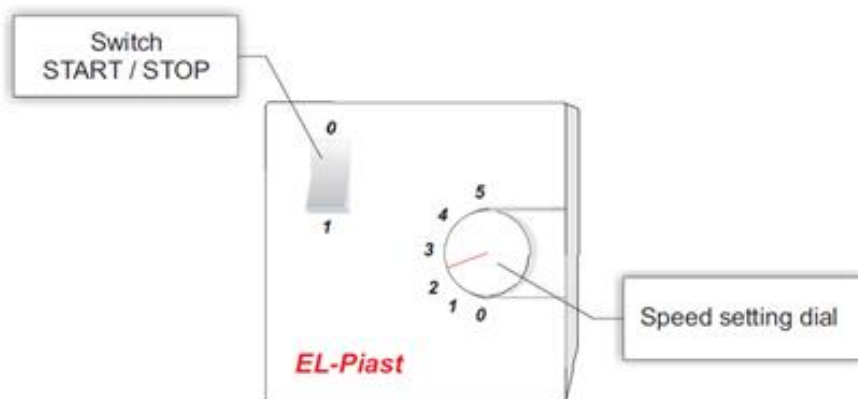
2. Control

In the Triacrate speed controller adjustment phase has been used. It regulates in range from a minimum to 100%. Minimum is set using potentiometer built inside of the controller. The frequency of the voltage is constant and does not change.

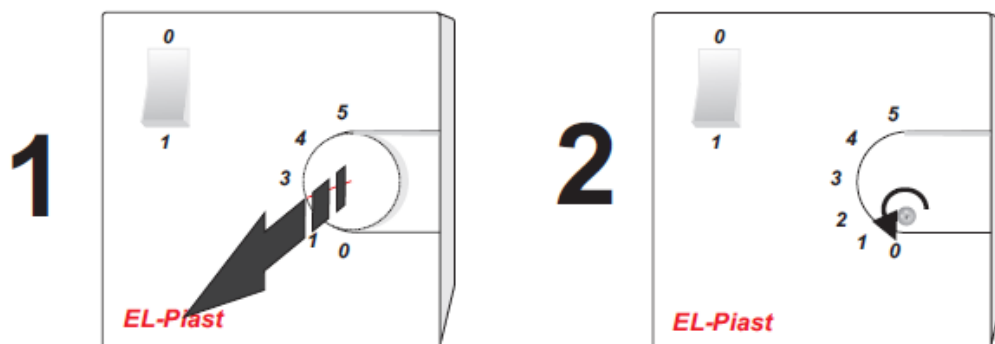
3. Opis elementów i montaż



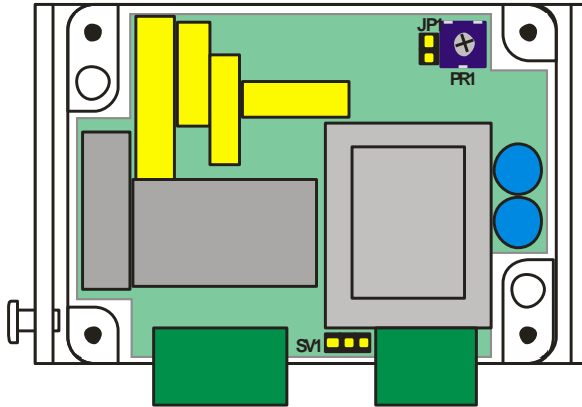
4. SCR10 Panel



5. Cover removal



6. Selection of control



JP1
closed – control by an external adjuster
open – 0-10V control or control by built-in adjuster

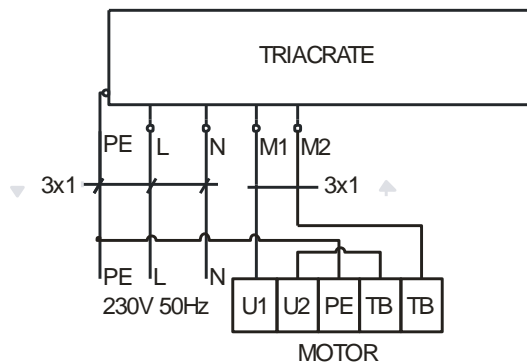
PR1
Initial angle adjuster

SV1
Connector of the built-in adjuster

!!!ATTENTION!!!
Built-in adjuster can not work together with other types of control.

7. Supply and motor connections

Control of external handling motor thermal protection.



To keep the noise level in accordance with the CE standards, cables between the speed controller (TRIACRATE) and the motor should not exceed 10 m.



Electrical connections can be done by authorised

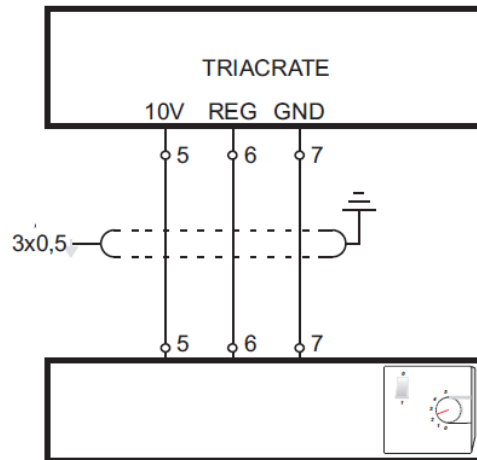


Control and power cables should be separated

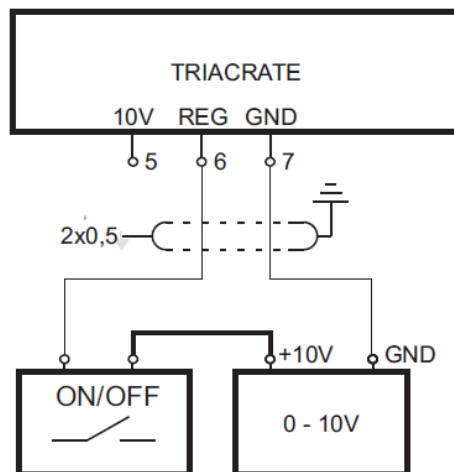


Electric shock risk if PE wire is not connected

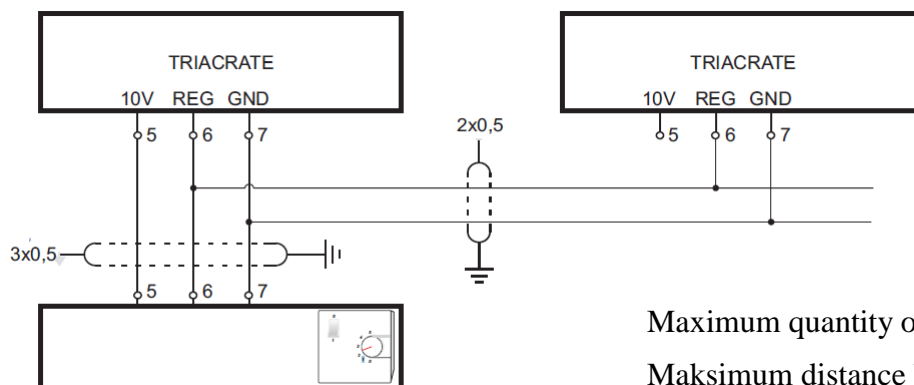
8. SCR10 Panel connection diagram



9. 0-10V control system wiring diagram



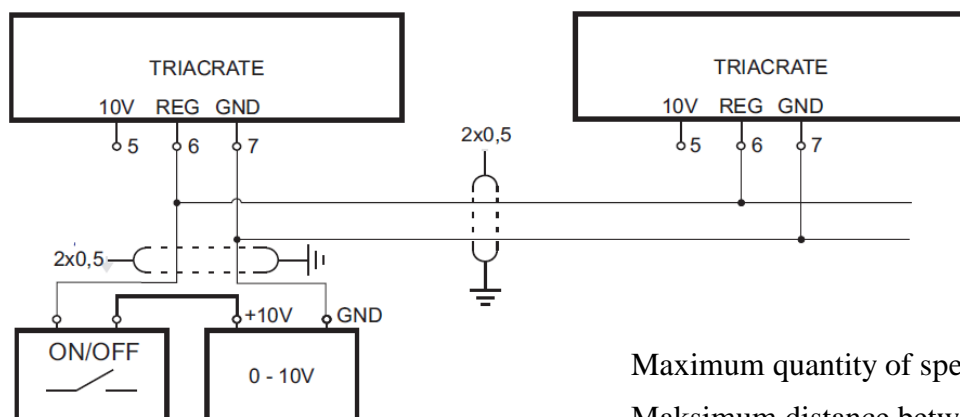
10. Connection of few speed controllers with one SCR10 Panel



Maximum quantity of speed controllers: 10

Maksimum distance between room unit and speed controller: 150 m

11. 0-10V control system wiring diagram with several speed controllers



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Maksimum distance between room unit and speed controller: 150 m