

Operating instructions ARW

1. Application.

ARW-type controllers are designed for rotational speed control of single-phase fan motors. They may be applied to temperature control of heating elements.

2. Safety precautions.

- 2.1. Any controller installation can be done by qualified electrician only.
- 2.2. Live controller installation may lead to electric shock.
- 2.3. Maximum constant current in a receiver mustn't exceed for respective level control the current value the controller was designed for (p.4.1).

3. Transport, storage.

- 3.1. Original packaging provided by the manufacturer ensures safe transport and safe storage of controller.
- 3.2. While storage use original packaging only.
- 3.3. Store at temperature ranging from -5°C to +50°C.

4. Technical parameters

4.1. Electrical parameters.

Type	U _{PRI} [V]	Level control U _R [V] / I _R [A]					Type of connector
		1	2	3	4	5	
ARW 0,5	230	110/0,5	170/0,5	230/0,5			TLZ4
ARW 1,2	230	115/0,9	135/1,0	155/1,1	180/1,2	230/1,2	TLZ4
ARW 1,5/1	230	115/1,5	135/1,5	155/1,5	180/1,5	230/1,5	TLZ4
ARW 2,0/2	230	65/0,9	110/1,5	135/1,7	170/2,0	230/2,0	TLZ4
ARW 2,0/1	230	115/1,1	135/1,5	155/1,7	180/2,0	230/2,0	TLZ4
ARW 3,0	230	115/2,4	135/2,6	155/2,8	180/3,0	230/3,0	TLZ4
ARW 3,0/2	230	70/1,5	85/1,8	105/2,2	145/2,7	230/7,0	TLZ4

4.2. Other technical parameters.

Protection level	IP30-ARW1,2; ARW 1,5/1; ARW 3,0; IP54-ARW 2,0/2, ARW 3,0/2
Ambient temperature	maximum 40°C
Protection	resistant to occasional overload – thermal automatic cut-out
Conformity with norm	PN-EN61558-2-13
Insulation class	II + protection of PE circuit continuity

5. Installation.

- 5.1. Pay attention to the controller admissible ambient temperature.
Casings of controller might be hot when running.
Assembling of a few close to each other - it is recommended to separate them (minimum 5,0 cm). Vertical operating position.
- 5.2. Screw a controller to the flat surface (e.g. wall) with the use of tap screws.

- 5.3. Open the controller's housing by unscrewing the screws of cover.
- 5.4. Insert cables into a cable-bush (maximum cable section: 1,5 mm²).
- 5.5. Attach following the diagram (overleaf).
- 5.6. When closing the cover, put internal cables correctly.
- 5.7. Put the short-circuit protection in supply circuit.

