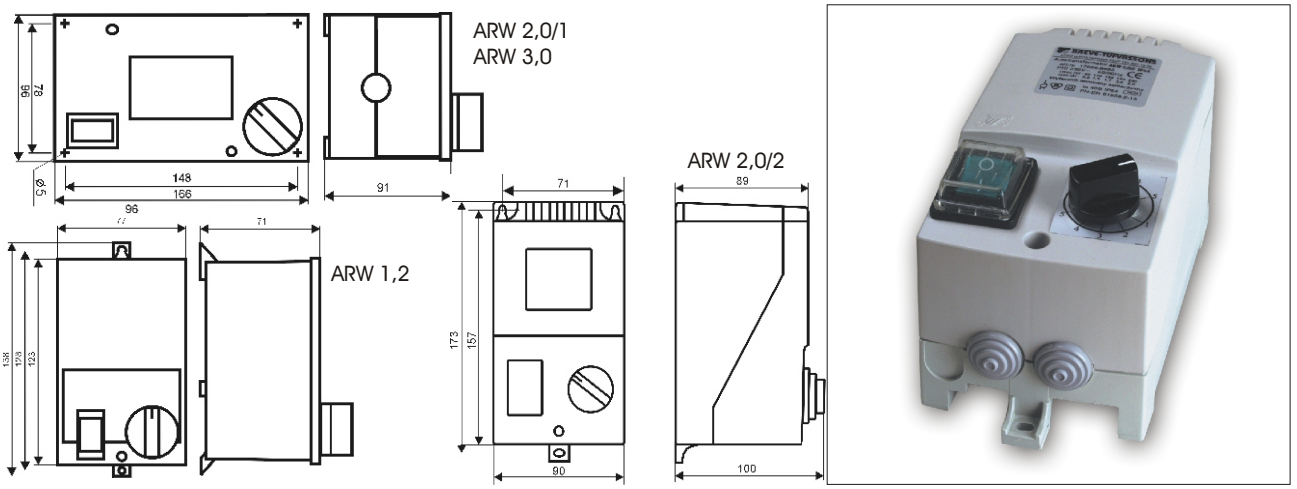
ENCASED AUTOTRANSFORMERS

ARW

Autotransformer regulators serve the purpose of airflow control, fitted in single-phase ventilation and heating systems.
The transformers are made with Class II insulation and protection grade IP30 or IP54, maximum ambient temperature 40°C, thermal class of insulation B (130°C).
Manufactured in compliance with EN 61558-2-13.

Rated power :1 - 10A
Rated voltage PRI :230 V 50/60 Hz
Rated voltage SEC :5-step regulation



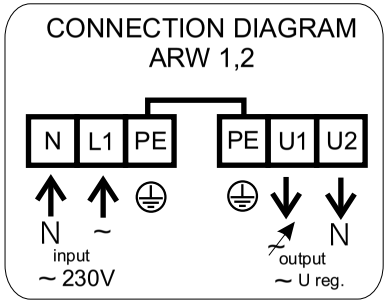
Typ	Prąd [A]	Wymiary A	B	C	D	E	Moco-wanie	Masa kg
ARW 1,2/1	1,2	77	138	71	38,5	128	M4	1,40
ARW 2,0/2 IP54	2	96	166	91	78	148	M4	2,30
ARW 3,0	3	96	166	91	78	148	M4	2,50

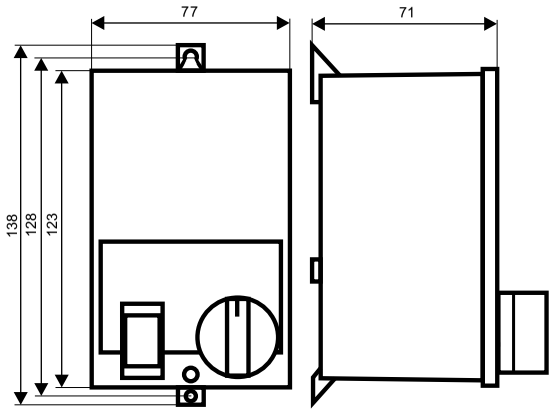
Wersje wykonania regulatorów

Typ	ART. NR	Upri [V]	Stopnie regulacji Ur[V] / Ir[A] 1	2	3	4	5
ARW 1,2/1	17786-9999	230	115/0,9	135/1,0	155/1,1	180/1,2	230/1,2
ARW 2,0/2 IP54	17786-9993	230	65/0,9	110/1,5	135/1,7	170/2,0	230/2,0
ARW 3,0	17786-9998	230	115/2,4	135/2,6	155/2,8	180/3,0	230/3,0

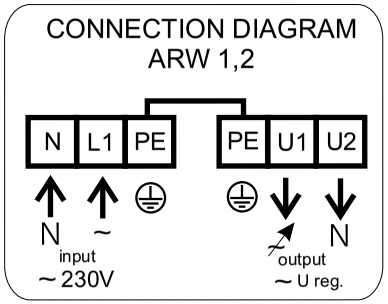
Z uwagi na ciągły rozwój konstrukcji oraz zmiany wymagań technicznych, firma Breve-Tufvassons zastrzega sobie prawo zmian w/w parametrów.

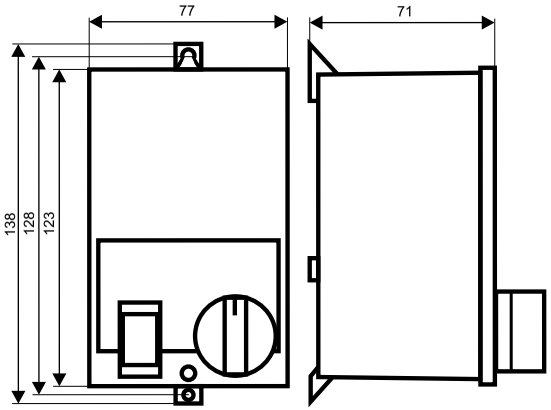
ARW 1,2



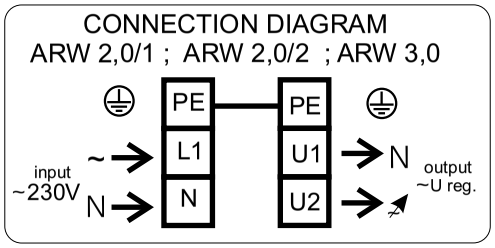


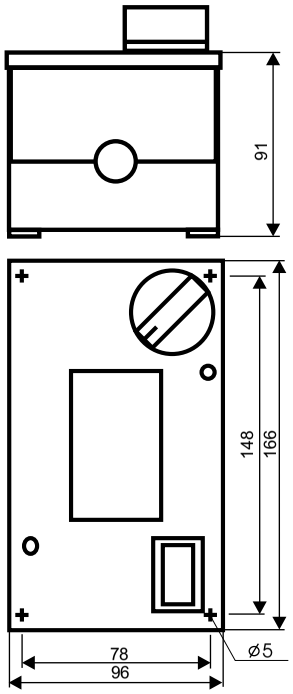
ARW 1,2



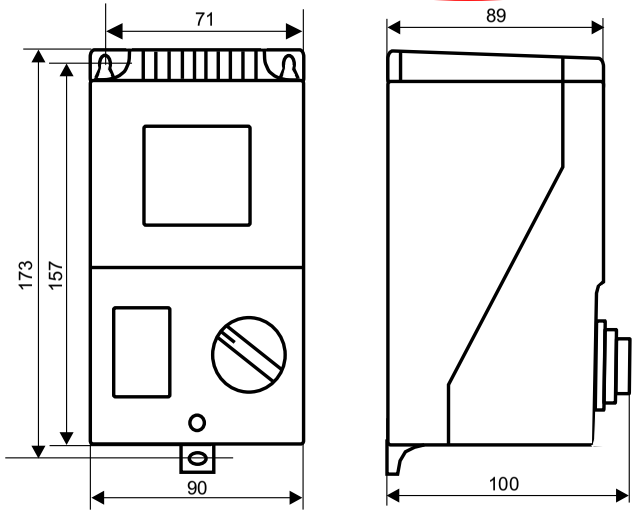


ARW 3,0

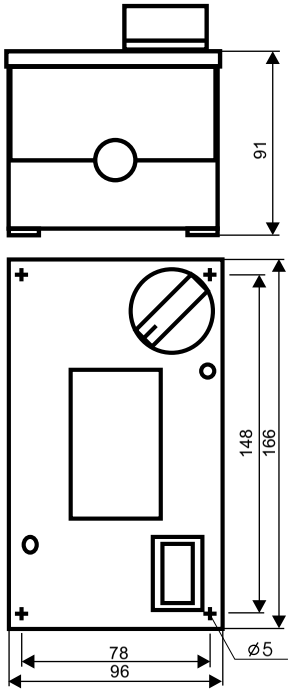


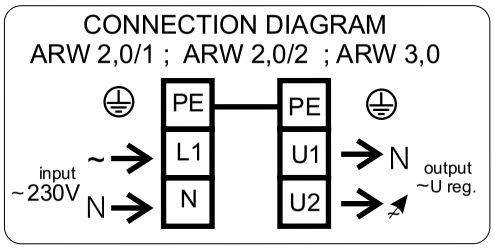


ARW 1,5/1
ARW 2,0/2 ARW 3,0/2



ARW 3,0





ARW 1,5/1
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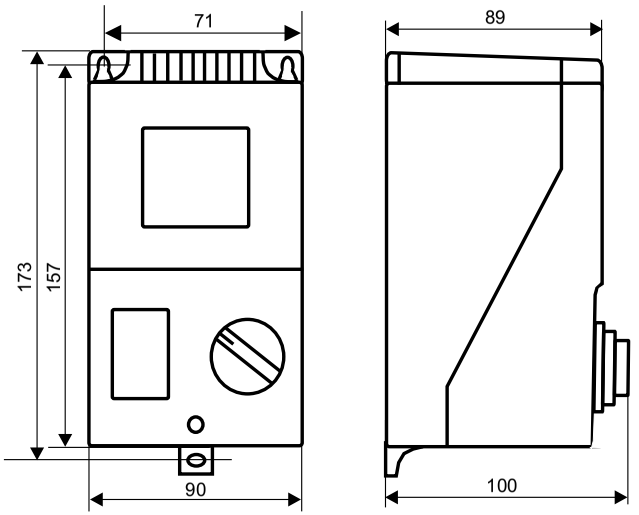

1. Application

ARW controllers are designed to control the rotational speed of single-phase ventilator engines. They can be applied for controlling temperature in heating components as well.

2. Safety principles

2.1 Controller should be assembled by a qualified electrician.
2.2 A live assembly of controller poses a threat of electric shock.
2.3 Maximum current in a receiver mustn't exceed the value designed for a controller in individual levels of control (cf. 4.1).

3. Shipment and storage

3.1 Original packaging used by producer ensures safe shipment and storage of controller.
3.2 When stored only original packaging should be used.
3.3 Storage temperature range -5°C to +50°C.

4. Technical data

4.1 Electric parameters

Type	U_{PRI} [V]	Control levels U_R[V] / I_R[A]					Connector type
		1	2	3	4	5	
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 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	230/3,0	TLZ4

4.2 Other technical data

Protection level	IP30-ARW1,2; ARW 1,5/1; ARW 3,0 ; IP54- ARW2,0/2, ARW3,0/2
Ambient temperature	Permissible 40°C
Protection	Resistant to casual overload- thermal tripper
Conformity to standards	PN-EN61558-2-13
Insulation class	II + materials ensuring continuity of PE circuit

5. Assembling

5.1 Pay attention to permissible ambient temperature of controller.
When controller operates casing may be hot.
When few controllers are assembled next to each other, minimum a 5-cm gap is recommended between them. Controllers should operate vertically.
5.2 Screw a controller to a flat surface (wall, etc.) using screws
5.3 Open a casing of controller by unscrewing a cover.
5.4 Insert wires through cable bushes (maximum wire section: 1,5 mm^2).
5.5 Assemble controllers using the relevant scheme (see next page).
5.6 Put internal wires correctly when closing a cover.
5.7 Put a short-circuit protection in the feed circuit.

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ARW 3,0	230	115/2,4	135/2,6	155/2,8	180/3,0	230/3,0	TLZ4
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