ARES - OPERATING MANUAL

One-phase, electronic fan speed regulator controlled by potentiometer.

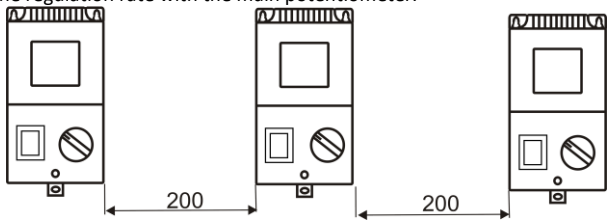
1. **Application.**
   Ares regulators are designed for speed regulation of one-phase fan motors. Output voltage level is controlled by potentiometer placed on front of regulator. “Kickstart” function allows safe start of fan. Regulation of speed is done by phase-shift control.
2. **Safety.**
   2.1 Installation of regulator should be done by qualified electrician.
   2.2 Installation of regulator live threatens with electric shock.
   2.3 Maximal output current cannot exceed the rated current of regulator.
3. **Maintenance:**
   3.1 The original box used by the producer provide safety transport and storage.
   3.2 For keeping in storage use the original boxing only.
   3.3 Keep in temperatures from -5°C to +50°C.
4. **Technical data.**
   4.1 Electric parameters.

Type	U_{PRI} [V]	Output voltage range V_{OUT} [V_{RMS}]	Rated output current I_{OUT} [A]
ARES 5	230	105-230	5,0
ARES 7	230	105-230	7,0
ARES 10	230	105-230	10,0

   4.2 Additional technical data.

Protection grade:	IP54
Ambient temperature:	35°C
Overload protection:	Fuse description on regulator’s board. Insulation between steering input and executive circuit – 4kV.
Manufactured in compliance with:	PN-EN 61000-6-2, PN-EN 61000-6-4
Insulation class:	II + contacts which allow consistency of PE circuit
Regulation:	Potentiometer placed on front of regulator.

5. **Instalation:**
   5.1 Pay attention to controllers ambient temperature.
   5.2 Screw the controller to the flat surface (for example a wall). Keep the 20 cm distance to other regulators.
   5.3 Set the main power switch in off position (“0”), open the housing.
   5.4 Put the cables through the elastic inlets (max cable diameter – 1,5mm²)
   5.5 Make all connections according to the diagram.
   5.6 Close the housing taking care of the cables inside.
   5.7 Check the regulation rate with the main potentiometer.



28-02-2020

ARES - OPERATING MANUAL

One-phase, electronic fan speed regulator controlled by potentiometer.

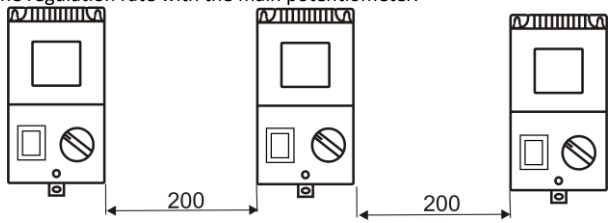
1. **Application.**
   Ares regulators are designed for speed regulation of one-phase fan motors. Output voltage level is controlled by potentiometer placed on front of regulator. “Kickstart” function allows safe start of fan. Regulation of speed is done by phase-shift control.
2. **Safety.**
   2.1 Installation of regulator should be done by qualified electrician.
   2.2 Installation of regulator live threatens with electric shock.
   2.3 Maximal output current cannot exceed the rated current of regulator.
3. **Maintenance:**
   3.1 The original box used by the producer provide safety transport and storage.
   3.2 For keeping in storage use the original boxing only.
   3.3 Keep in temperatures from -5°C to +50°C.
4. **Technical data.**
   4.1 Electric parameters.

Type	U_{PRI} [V]	Output voltage range V_{OUT} [V_{RMS}]	Rated output current I_{OUT} [A]
ARES 5	230	105-230	5,0
ARES 7	230	105-230	7,0
ARES 10	230	105-230	10,0

   4.2 Additional technical data.

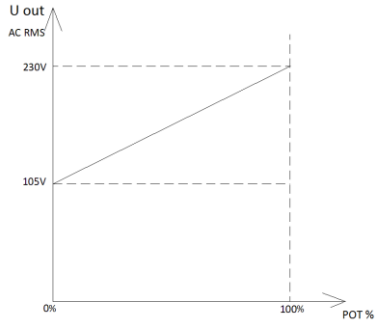
Protection grade:	IP54
Ambient temperature:	35°C
Overload protection:	Fuse description on regulator’s board. Insulation between steering input and executive circuit – 4kV.
Manufactured in compliance with:	PN-EN 61000-6-2, PN-EN 61000-6-4
Insulation class:	II + contacts which allow consistency of PE circuit
Regulation:	Potentiometer placed on front of regulator.

5. **Instalation:**
   5.1 Pay attention to controllers ambient temperature.
   5.2 Screw the controller to the flat surface (for example a wall). Keep the 20 cm distance to other regulators.
   5.3 Set the main power switch in off position (“0”), open the housing.
   5.4 Put the cables through the elastic inlets (max cable diameter – 1,5mm²)
   5.5 Make all connections according to the diagram.
   5.6 Close the housing taking care of the cables inside.
   5.7 Check the regulation rate with the main potentiometer.

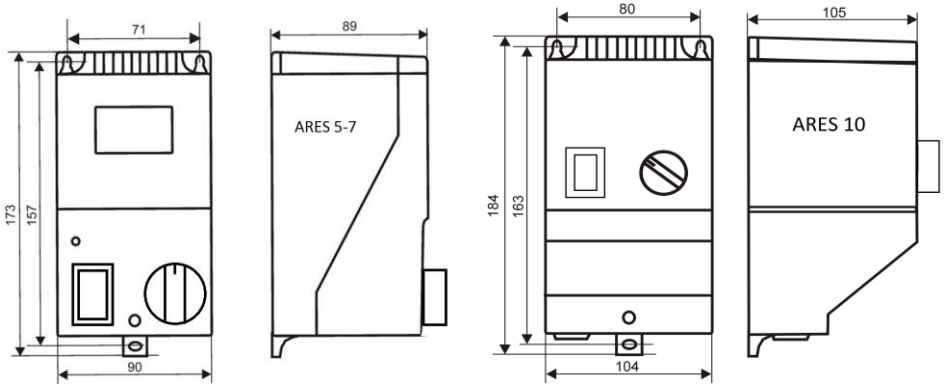


28-02-2020

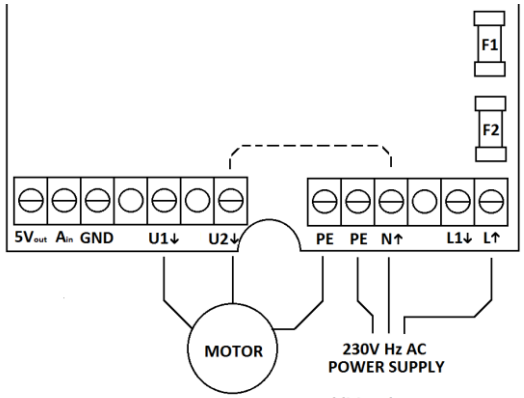
6. Regulation characteristics.



7. Dimensions.



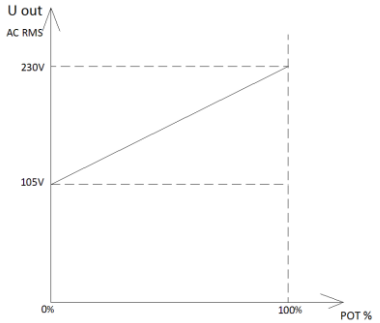
8. Connections diagram.



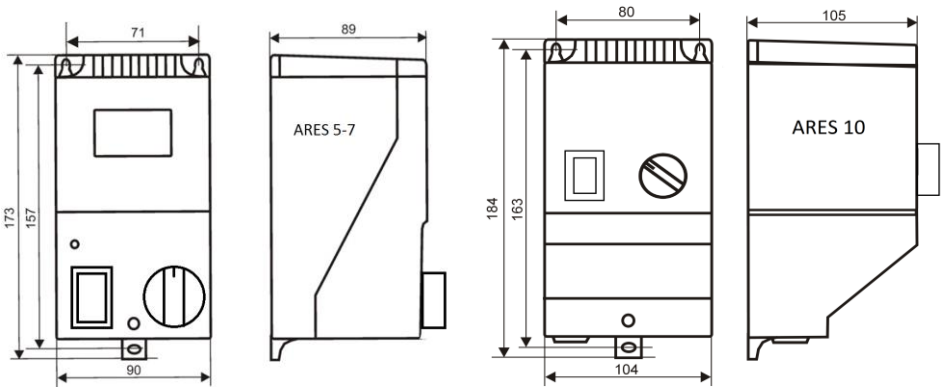
L1 - additional 2A 230V AC output

	Fuse	
Type	F1	F2
ARES 5	F6,3A/250V	T2,0A/250V
ARES 7	F8,0A/250V	T2,0A/250V
ARES 10	F10,0A/250V	T2,0A/250V

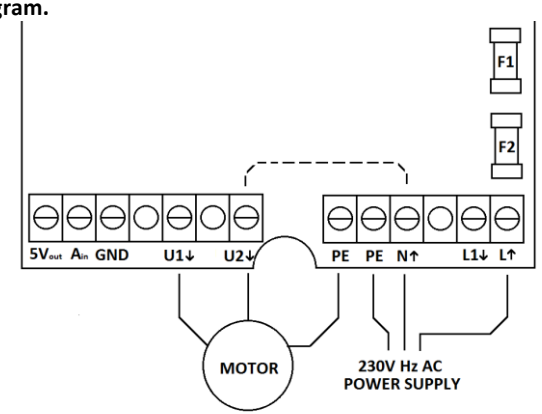
6. Regulation characteristics.



7. Dimensions.



8. Connections diagram.



L1 - additional 2A 230V AC output

	Fuse	
Type	F1	F2
ARES 5	F6,3A/250V	T2,0A/250V
ARES 7	F8,0A/250V	T2,0A/250V
ARES 10	F10,0A/250V	T2,0A/250V