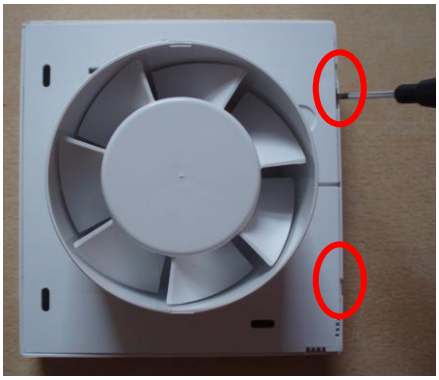
User´s manual - Primo Base A 12V

All work, like installation must be carried out by the qualified person – with professional qualifications and expertise in electricity and electrotechnics accordance with law and rules in concrete country.
Disconnect power supply before any installation or manipulation – preferably with circuit breaker.

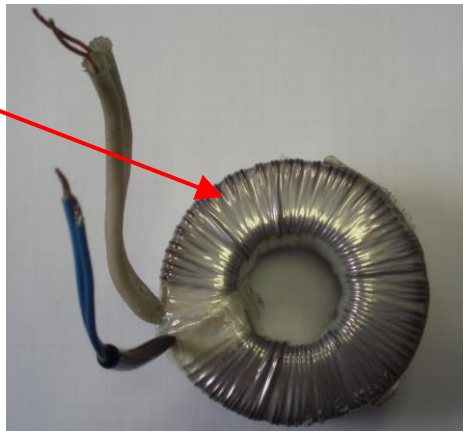
1. Remove the front grill with a small screwdriver and prepare the mounting holes for wires leading from the wall. Install the fan so the service cables will be in lower part of the fan.
   Place the fan into air duct with suitable diameter. In a prepared place drill a hole for the electric service cable. (Warning! Sharp edges can damage wire insulation!). Install the fan using suitable screws and plugs.



Mounting hole

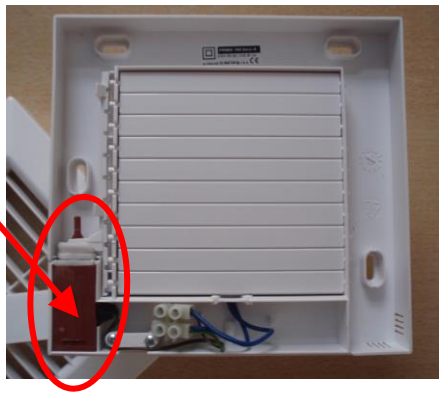
2. Connect the fan with power supply using the terminal strip and **toroid transformer**. Usually goes from wall electric cable with 3 wires, so the blue is directly earthed conductor (N), brown / black is the phase conductor (L – under constant voltage) and third yellow-green is the circuit protective conductor (no need to connect when mounting plastic fan, can be blinded).
   Install the fan so the service cables will be in lower part of the fan.

Toroid transformer

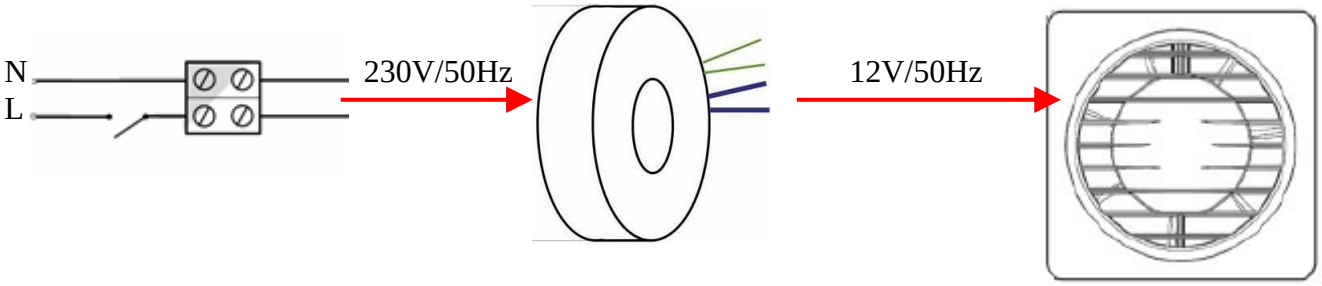


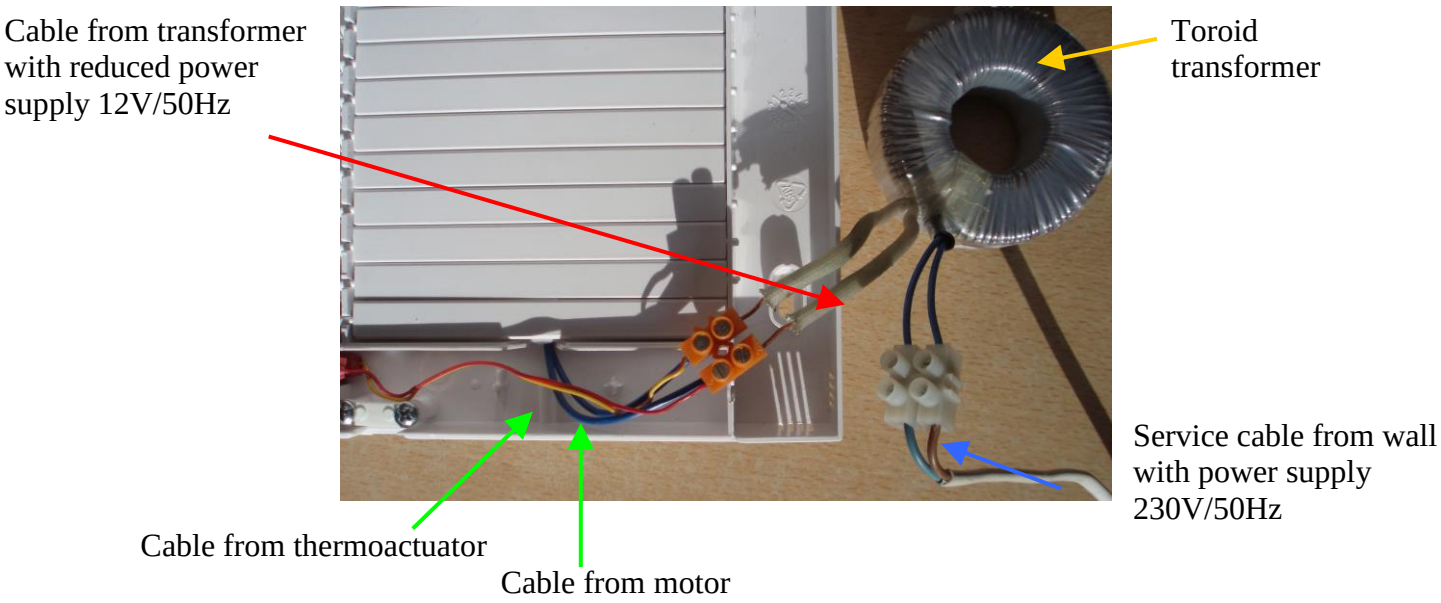
Axial fan Primo Base A 12V has electronics and thermoactuator, which opens the shutter and is connected to terminal strip togehther with cable from motor.

Thermoactuator



It is neccesary to connect **toroid transformer**, which bring safe voltage 12V/50Hz to device. If you don´t use toroid transformer fan device´s motor will be damaged (not possible to complain!). Install the fan so the service cables will be in lower part of the fan.



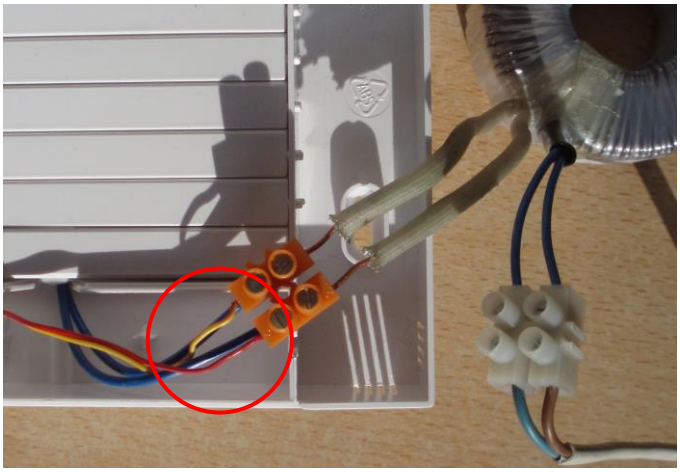


3. Cover the electronics and mount the front grill. Cable outlet should be in lower part of the fan and the plates in horizontal position. Connect power supply – switch on the circuit breaker.

4. Turn ON on-off switch to bring power supply 230V/50Hz into device – fan starts to work. At the same time termoactuator gets warmer and during cca 50 seconds is the shutter open. After switch off device runs according to set time. Thermoactuator get colder and closes the shutter (wait cca 2,5 minutes until complete closure).

   If device does not work properly, disconnect power supply and controll connection on terminal strip and potentiometer function.

   If shutter does not work properly, disconnect power supply and controll connection of thermoactuator and motor cable into terminal strip – they are connected together.



1. Troubleshooting

	Trouble	Why	Solutions
1.	Device does not work	1.1. Missing voltage	Switch on the curcuit breaker.
		1.2. Device is mounted wrong	Switch off the circuit breaker and controll connection of cable from the wall and fan motor into terminal strip, switch on the curcuit breaker.
2.	Shutter does not open	2.1. Thermoactuator is not warm enough	Wait cca 50 seconds until thermoactuator gets warm and opens the shutter.
		2.2. Wrong connection between thermoactuator and other cables on terminal strip	Switch off the curcuit breaker and controll connection of cables from thermoactuator into terminal strip
3.	Shutter is open even if the device is switched off	3.1. Thermoactuator is not cold enough	Wait cca 2,5 minutes until thermoactuator gets cold and closes the shutter.

5. Pay attention to regular service (once in 6 month minimum).
   Disconnect power supply before any installation or manipulation – preferably with circuit breaker.
   Clean with moist clout with a little bit detergent – NOT!abrasiveness clearing agent, diluent or petrol.
   Dry it properly. Fan motor can´t get wet in any case.
   Connect the fan with power supply using the terminal strip and control proper run of the fan.

   Only correct instalation and service will ensure long life working.

8. The warranty covers manufacturing defects, material defects or defects of instrument functions.
   The warranty does not cover mechanical damage, incorrect connection to power supply, incorrect servicing, use of the device in unappropriate conditions, common use, damage by third person, natural disaster or overvoltage.