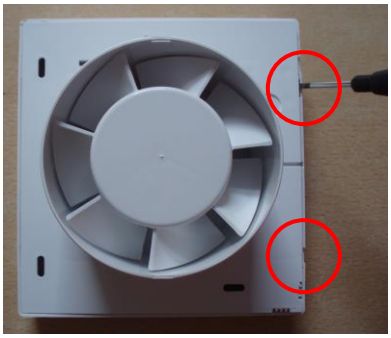
User´s manual - Primo A

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.

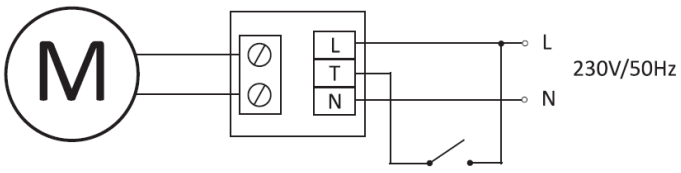
1. 1. Remove the front grill with a small screwdriver and prepare the mounting holes for wires leading from the wall. Install the fan so the service cables will be in lower part of the fan.
   Place the fan into air duct with suitable diameter. In a prepared place drill a hole for the electric service 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 on electronics. 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.

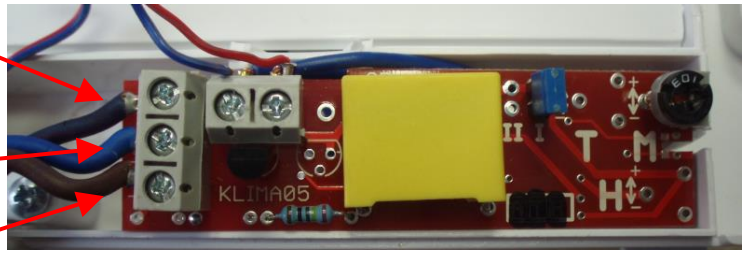
   Axial fan Primo A has electronics with terminal strip (which you connect directly to power supply (L,N)) and thermoactuator, which which opens the shutter and is connected to terminal strip together with cable from motor.
   Into terminal T connect controlled phase wire from on-off switch (standard specification – brown).



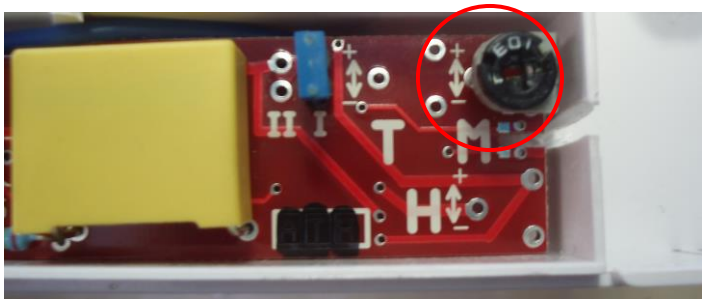
Phase (L)

Directly earthed conductor (N)

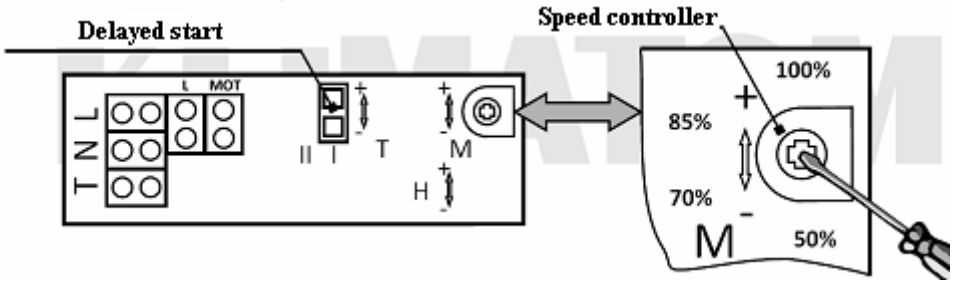
Controlled phase (T)

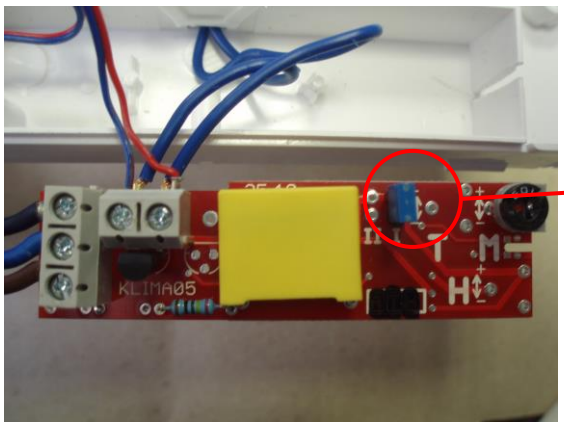


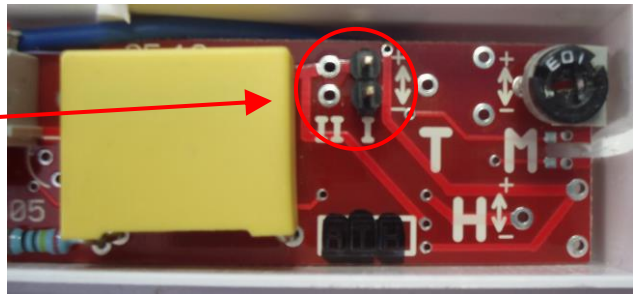
3. Fan´s electronic allows speed control and airflow control, what´s more save energy.
   Carefully turn potentiometer **M** with small screwdriver directions +-. Regulation is possible only if there is power supply on terminal T (switch ON on-off switch), otherwise device runs maximum speeed. You can controll fan´s speed in steps - 50%, 70%, 85% and 100%.



When blue jumper (I) is removed, fan starts with cca 90-120 seconds delay.

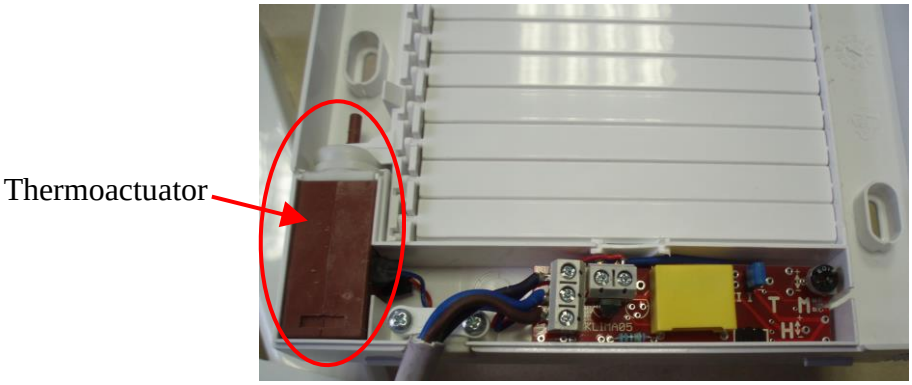






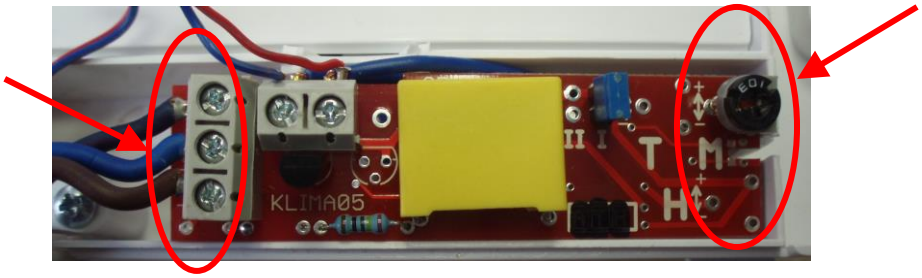
4. Cover the electronics and mount the front grill. Cable outlet should be in lower part of the fan and the plates in horizontal position. Connect power supply – switch on the circuit breaker.
   Device starts Test Run, which provides test and measurement of the device and components.
   After cca 35 seconds Test Run stops.

5. Turn ON on-off switch to bring power supply 230V/50Hz into device – **Warning!** device start to work (according to set parameter M) only if thermoactuator gets warm and opens the shutter – after cca 40 seconds. Turn OFF on-off switch to disconnect power supply – fan stop works.

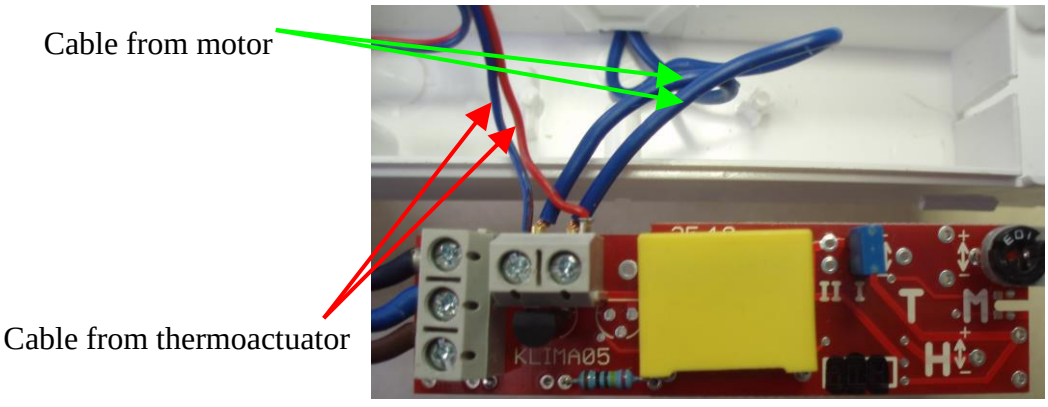


Turn OFF on-off switch to disconnect power supply – fan stop works, thermoactuator gets colder and closes the shutter (cca 1,5 minutes until shutter is fully closed).

6. If ***device*** does not work properly, disconnect power supply and controll connection on electronics 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.



7. 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 kontrol proper run of the fan.

Only correct instalation and service will ensure long life working.

9. 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.

4. Troubleshooting

	Trouble	**Why**	**Solutions**
1.	Device does not work	1.1. Missing voltage	Switch on the circuit 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.
		1.3. Thermoactuator is getting warmer and opens the shutter.	Wait cca 40 seconds until the shutter is fully open, than device starts to work.
2.	Device starts to work immediately after connecting to power supply	2.1. TEST RUN	Wait cca 35 seconds until TEST RUN ends. It controls correct function of device. Than device stops.
3.	Device works not enough – too little air flow	3.1.Wrong adjustment of potentiometer M (speed control)	Controll adjustment of potentiometer with small screwdriver (user´s manual – point 3).
4.	Shutter does not open	4.1. Delayed start function	Wait cca 40 seconds until the thermoactuator get warm enough and open the shutter. Than device starts to work.
		4.2. Wrong connection between thermoactuator and other cables on terminal strip.	Switch off the circuit breaker and controll connection of cables from thermoactuator into terminal strip (user´s manual – point 6) . Switch on the circuit breaker.
5.	Shutter is open even if the device is switched off	5.1. Thermoactuator is not cold enough	Wait cca 2,5 minutes until thermoactuator gets cold and closes the shutter.