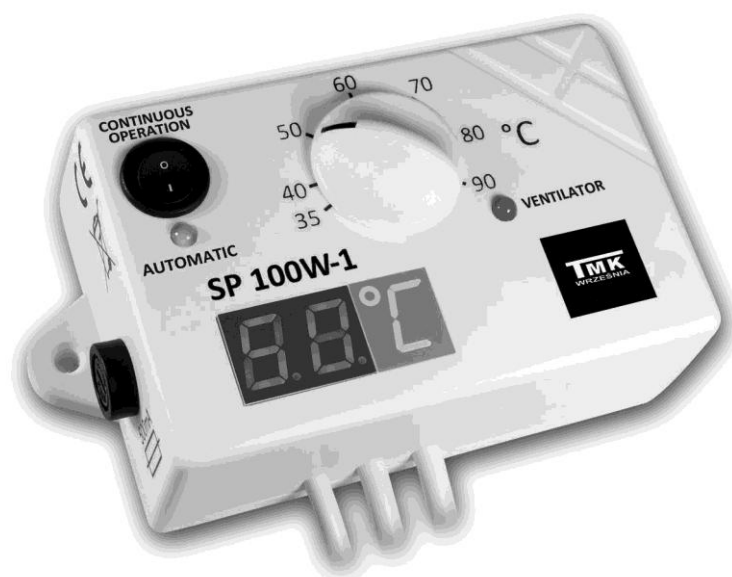


Ventilation controller
SP 100W-1
*Installation and Operation
Manual*



Applications

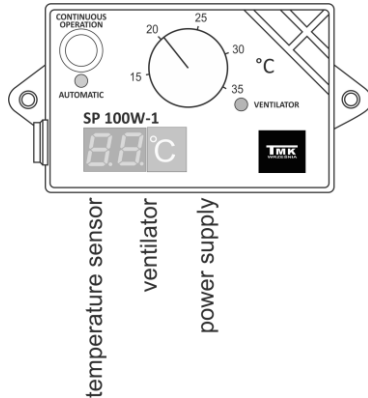
SP 100W-1 is an electronic controller designed for switching on/off ventilators in enclosed areas which require air exchange, e.g. livestock keeping facilities.

The controller switches the ventilator on if the preset air temperature level has been exceeded – and switches the ventilator off as soon as the temperature has dropped by 1°C. The controller regulates ventilator operation using data supplied by the sensor mounted in the room.

Technical specifications

- Supply voltage	230V / 50Hz
- Maximum load capacity	200VA
- Ventilator activation temperature	15-35°C
- Temperature measurement range	7-99°C
- Ventilator hysteresis	1°C
- Option of forced ventilator activation	

INSTALLATION



1. Mounting of controller

Mount the controller on a suitable wall using 6 mm wall plugs (the plugs complete with screws are a part of the delivery set).

2. Mounting of temperature sensor

Mount the sensor in a location in which it will not be exposed to any direct sources of heat.

Note: The sensor is not suited for being used directly in the liquid!

3. Connection of the supply cable to the ventilator

- Connect the green-yellow wire (protective neutral conductor) of the 3-wire ventilator supply cable to the protective neutral terminal of the motor (marked with an appropriate symbol);
- Connect the brown and blue wires to the **L** and **N** terminals of the ventilator motor.

Note: Always ensure that regulator installation is performed by a properly qualified electrician.

4. Connection of the controller

Connect the supply cable to a **230 V, 50 Hz power outlet with an earth contact**. The ambient temperature in the controller mounting location may not exceed 40°C.

Note: The connection cable of the regulator may only be replaced by the manufacturer.

CONTROLLER OPERATION

1. The switch marked “**CONTINUOUS OPERATION – AUTOMATIC**” makes it possible to switch between two operation modes: automatic and continuous.

1) automatic operation mode:

- the green indicator marked “AUTOMATIC” is lit,
- the controller switches the ventilator on or off depending on the temperature determined by the sensor,
- the rotary knob is used to set the temperature at which the ventilator is activated.

2) continuous operation mode:

- the green indicator goes out and the red indicator is lit,
- the ventilator operates on a continuous basis (e.g. to check ventilator operation).

2. If the red indicator light is on, the ventilator is working.

3. The controller is equipped with an electronic thermometer featuring a digital display indicating air temperature.

SAFETY DEVICES

The ventilator and the controller are protected by means of a 1A fuse which blows up in emergency situations (e.g. short-circuit in the ventilator motor or in the controller).

DELIVERY SET

- controller
- clamps (2 pcs.)
- 6 mm wall plugs (2 pcs.)

WARRANTY

TMK sp.j. grants the user a warranty for the SP 100W-1 controller. The warranty period is 3 years from the date of purchase of the device, however not longer than 4 years from the date of manufacture.

WARRANTY TERMS AND CONDITIONS

Warranty claims shall be accepted provided that the terms and conditions of warranty, and general rules of operation of electronic devices, are complied with as required. TMK sp.j. guarantees appropriate workmanship, high quality and reliable operation of the controller. In the event of any faults in the controller's operation, or defects which can be attributed to the manufacturer, TMK sp.j. shall repair or replace the faulty controller with a defect-free device within 14 working days from the date of returning the controller (in person or through post). The warranty scheme explicitly excludes all defects arising due to the user's fault and, particularly, defects caused by mechanical damage, faulty mounting, water ingress or operation of the device contrary to the general rules of operation of electronic devices. The warranty is only valid with a proof of purchase.

DATE OF SALE:

.....
day, month, year

.....
Seller's stamp and signature

MANUFACTURER:

TMK sp.j.
62-300 Września
Szosa Witkowska 105
tel./fax + 48 61 437 97 60
www.tmk.com.pl

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DATE OF MANUFACTURE