en

Schneider Electric

FAN control insert

Operating instructions

SBDFAN
Art. no. MTN5143-0000

Necessary accessories

– To be completed with:
- Central plate with rotary knob for FAN control
- Frame in corresponding design.

For your safety

DANGER

Risk of serious damage to property and personal injury, e.g. from fire or electric shock, due to incorrect electrical installation.

Safe electrical installation can only be ensured if the person in question can prove basic knowledge in the following areas:

- Connecting to installation networks
- Connecting several electrical devices
- Laying electric cables

These skills and experience are normally only possessed by skilled professionals who are trained in the field of electrical installation technology. If these minimum requirements are not met or are disregarded in any way, you will be solely liable for any damage to property or personal injury.

DANGER

Risk of death from electric shock.

The outputs may carry an electrical current even when the device is switched off. Always disconnect the fuse in the incoming circuit from the supply before working on connected loads.

FAN control insert introduction

With the FAN control insert (hereafter referred to as "FAN control"), you can switch single-phase electric motors on and off and infinitely control their speed using a rotary knob.

You can use the additional switch output to control the slats for example, or to switch ohmic loads.

CAUTION

The device can be damaged.

- Always operate the device with the specified minimum load.
- Protect the circuit with a 10 A fuse if further loads are to be switched via the switch output or if they are to be looped on the X terminal of the dimmer.

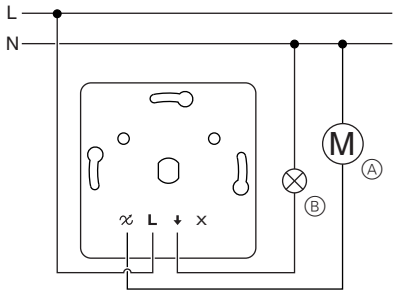
Installing the FAN control

The maximum allowed load is reduced due to the decreased heat dissipation when you do not install the device into a single standard flush-mounted mounting box:

Load reduction by	Mounted in cavity walls *	Several installed together in combination *	In 1-gang or 2-gang surface-mounted housing	in 3-gang surface-mounted housing
25 %	x	x		
30 %			x	
50 %				x

* If several factors apply, add the load reductions together.

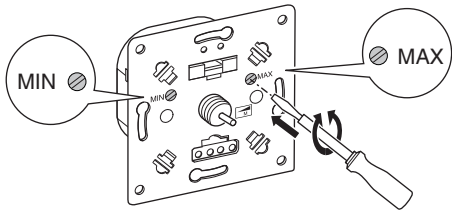
Wiring the FAN control for the application required



Ⓐ Motor
Ⓑ Ohmic load (optional)

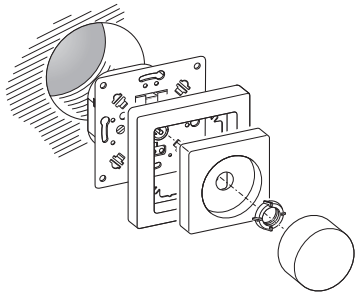
Setting the minimum and maximum speed

Set the minimum and maximum speed before installing the covers.

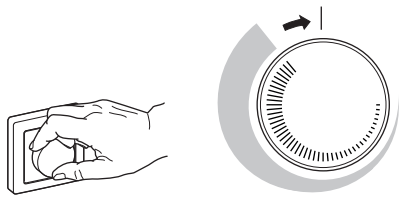


① Switch the FAN control on by turning the rotary knob clockwise (see Operation).
② Set the maximum speed with the right-hand set-screw.
③ Turn the rotary knob further in a clockwise direction until the minimum position is reached (see Operation).
④ Set the minimum speed using the set-screw (MIN).

Installing the FAN control and covers



Operating the FAN control



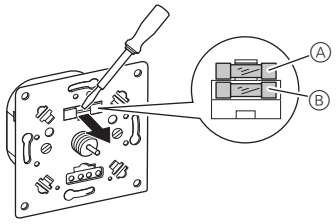
- By turning the rotary knob clockwise slightly you can switch the connected motor on.
- The motor is now running at maximum speed.
- By turning the rotary knob further in a clockwise direction you can reduce the speed.
- To switch the motor off, turn the rotary knob in an anti-clockwise direction as far as it will go.

What should I do if there is a problem?

The connected motor doesn't switch on.

- Check the fuse, replace if necessary.
- If there is an overload due to the fact that the operating temperature is too high, it will not be possible to switch the FAN control back on and it must be replaced.

How to change the fuse



① Remove the covers.
② Prise the fuse holder out using a screwdriver.
③ Remove blown fuse Ⓐ and replace with replacement fuse Ⓑ.

Technical data

Mains voltage:	AC 230 V, 50 Hz
Nominal load:	20 - 400 W
Minimum load:	20 W
Load type:	Single-phase motors
Load on the switch output:	max. 2 A, cos ϕ 0.6
Short-circuit protection:	Fuse, F4.0AH
Surge protection:	Electronic
Operating temperature:	+5°C to +35°C

Dispose of the device separately from household waste at an official collection point. Professional recycling protects people and the environment against potential negative effects.

Schneider Electric Industries SAS

If you have technical questions, please contact the Customer Care Centre in your country.

schneider-electric.com/contact

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