

Thermoelectric valve drive 24 V

Operating instructions



Art. no. MTN639126

Accessories

Valve adapters for installing on different valve bodies (art. no. MTN6391..)

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

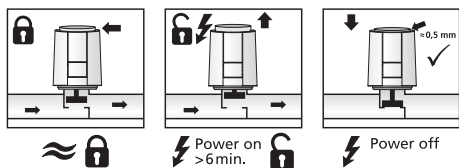
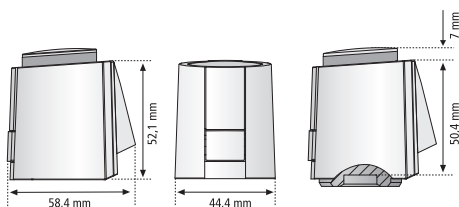
These skills and experience are normally only possessed by skilled professionals who are trained in the field of electrical installation technology. If these minimum requirements are not met or are disregarded in any way, you will be solely liable for any damage to property or personal injury.

Getting to know the valve drive

The thermoelectric valve drive 24 V (hereafter referred to as **valve drive**) is used to open and shut valves in heating, ventilation and air conditioning technology. It is controlled by 2-point regulation or pulse width modulation by a corresponding heating actuator or room temperature controller.

Features and functions

- Opening and closing evenly using an expansion element and a compression spring according to the corresponding reaction time (position force 100 N).
- De-energised closed
- First open function: the drive is factory-set to de-energised open. This allows the heating to also be operated during the building shell phase. After connection to the supply voltage, the valve drive changes to "de-energised closed" mode
- Status indication (open, closed, intermediate positions) is visible and noticeable using coloured ring
- Installation on different valve bodies with valve adapters (accessory) possible
- Modification check on the valve
- Installation possible in all locations (360° plug-in assembly)
- plug-in connecting cable



Mounting the valve drive

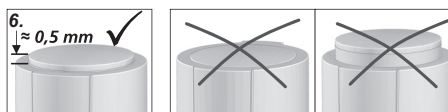
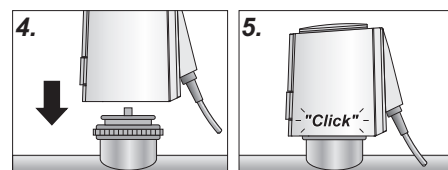
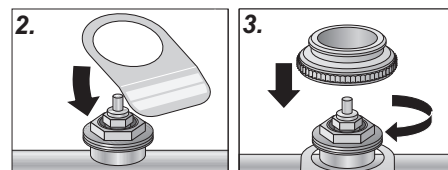
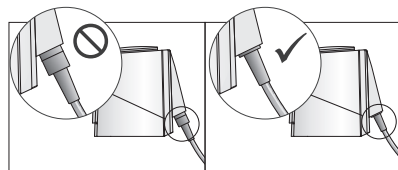
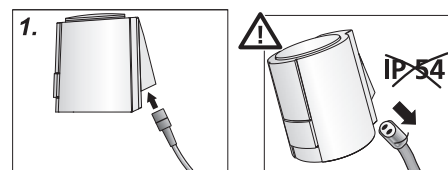


The device can become damaged!

Do not use tools for installation or dismantling. These can damage the housing and impair the functions.

Installation

- ① Plug in the connecting cable with plug up to the stop in the valve drive. Ensure that the plug is firmly in place. IP protection rating IP54 only when the plug is fitted correctly.
- ② If necessary: Detach the labelling bracket from the packaging and hang on the valve before installation.
- ③ Screw the appropriate valve adapter (accessory) onto the valve.
- ④ Attach the valve drive by hand.
- ⑤ The valve drive must audibly lock in place on the valve adapter.
- ⑥ Check for correct installation: Interior part must protrude approx. 0.5 mm. Otherwise: use a different valve adapter.



Connection

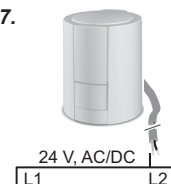


The device can become damaged!

Only use safety transformers compliant with EN 61558-2-6 for the device's power supply.

- ① Connect the plugged-in connecting cable to the supply voltage. Pay attention to the technical data of the device.

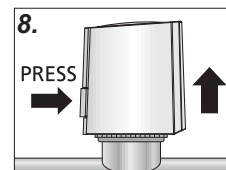
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Dismantling

- ② Firmly push in the locking knob and remove the valve drive from the valve adapter.

8.



Technical data

Supply voltage:	AC/DC 24 V
Switch-on current:	max. 300 mA for max. 2 min
Power consumption:	1 W
Lifting height:	approx. 4 mm
Running time:	approx. 3.5 min / 4 mm
Positioning force:	100 N
Circulating medium temperature:	0-100°C
IP protection rating:	IP54, in all installation positions
Safety class:	II, in all installation positions
Connecting cable:	1 m, 2x0.75 mm ²

Schneider Electric Industries SAS

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

www.schneider-electric.com