EURO COMET

Manual

Quick Start

Installation

Insert the batteries. The display will show PREP. Now the motor opens completely to make the installation easier. As soon as the Comet Z-Wave is ready for installation, the display will show INST. A flashing radio antenna symbol indicates that the device is ready for inclusion.

To include or exclude the device bring your gateway into inclusion or exclusion mode first. Keep the button in the battery box pressed for 5 seconds. The device is moving into the assembling position to make the installation easier.

Product Description

Comet Z-Wave is an energy saving thermostat for radiators compatible with the Z-Wave radio standard. The programmable thermostat is used to regulate the temperature within closed rooms and can help to reduce the heating costs.

Installation

1. Fully turn up the old thermostat, loosen the fastening and pull it from the valve.

2. Remove the battery lid by pushing the lid upwards. Insert the batteries. Do not use rechargeable batteries! Pay attention to the right polarity! The display will show PREP. Now the motor opens completely to make the installation easier. As soon as the Comet Z-wave is ready for installation, the display will show INST. A flashing radio antenna symbol indicates that the device is ready for inclusion. Now start the inclusion mode at your gateway.

3. Turn the coupling nut (ring at the product) at the valve. If the coupling nut does not fit, you may need an adapter.

4. Push the button in the battery box. The display will show ADAP and the device is starting an initialisation run. After initialisation the main screen is displayed. INFO: An error code will show, if a failure occurred.

For the following vales an adapter is not necessary: Heimeier, Junkers Landys+Gyr, MNG, Honeywell Braukmann, as they have a thread measure of M30 x 1,5 mm. The adapter for Danfoss RAV (the pin has to be put at the valve tappet) Danfoss RA and Danfoss RAVL are included.

For the following vales an adapter is necessary: Herz M28 x 1,5 mm, Comap M28 x 1,5 mm, Vaillant 30,5 mm, Oventrop M30 x 1,0 mm, Meges M38 x 1,5 mm, Ondal M38 x 1,5 mm, Giacomini 22,6 mm, Rossweiner M33 x 2,0 mm, Markaryd M28 x 1,0 mm, Ista M32 x 1,0 mm, Vama M28 x 1,0 mm, Pettinaroli M28 x 1,5 mm, T+A M28 x 1,5 mm or Gampper 1,2,6. You find them at www.eurotronic.org

Please remove completely the connecting parts of the included adapted before using them.

Inclusion/Exclusion

To include or exclude the device bring your gateway into inclusion or exclusion mode first. Keep the button in the battery box pressed for 5 seconds. The device is moving into the assembling position to make the installation easier.

Factory Reset

1) Start the exclusion modus at the gateway

2) Press the button in the battery box for 5 seconds.

Operating modes

Basic operations modes

AUTO-Mode

The Comet-Z adjusts how the factory settings or the settings in the gateway are set like.
Comfort temperature (factory settings 22°C)
Saving temperature (factory settings 18°C)

MANU-Mode

The Comet-Z is switching into the MANU-Mode, if you use the adjusting wheel at the device to change the temperature. This setting will overwrite the settings in the gateway for two hours. After this time the temperature will switch back to the programmed settings. If you want to change the settings before you can do this via the gateway.

Standby: 30 seconds after the last input at the device, the display will turn off. Turning the wheel will wake up the display again.

The frost protection, the window open detection and the calcification protection are automatically active.

Frost protection
If the temperature falls below 6°C, the device is opening the valve as long as the temperature increases above 8°C. This will prevent the heater from freezing.

Calcification protection
To prevent the heating valves from calcification, the device is performing once per week a calcification protection program.

Window open detection
If the temperature falls rapidly the window open detection gets activated and the window open symbol is displayed. The valve will be closed for 15 minutes.

De-installation
To deinstall the device press the button in the battery housing for 3 seconds. The device is moving into the installation position and when ready INST will be displayed. Now you can take out the battery and twist off the device from the valve.

Technical Specifications

Operating temperature	0 °C to + 50 °C
IP-Class (Moisture Tolerance)	IP20
Supply Power	3V (2x 1,5V AA/LR06 battery)
Window open detection	Activated when temperature changed by 0.5°C within one minute
Measure frequency	Temperature measure every minute
Control scope	6°C – 28°C
Size (L x W x H)	88 mm x 55 mm x 65 mm
Wall Plug	CEE 7/7 (Schuko)
Z-Wave Radio Frequency	868.4MHz (EU)

Z-Wave Classes

Common device: Thermostat
Specific device: Thermostat General V2
BASIC
BATTERY

MANUFACTURER_SPECIFIC
NODE_NAMING
SENSOR_MULTILEVEL
SWITCH_MULTILEVEL
THERMOSTAT_MODE
THERMOSTAT_MODE
THERMOSTAT_SETPOINT
VERSION
WAKEUP

Explanation of Z-Wave specific Terms

- **Slave** is a Z-Wave device without capabilities to manage the network. Slaves can be sensors, actuators and even remote controls.
- **Primary Controller** is the central organizer of the network. It must be a controller. There can be only one primary controller in a Z-Wave network.
- **Inclusion** is the process of bringing new Z-Wave devices into a network.
- **Exclusion** is the process of removing Z-Wave devices from the network.
- **Association** is a control relationship between a controlling device and a controlled device.
- **Wake up Notification** is a special wireless message issued by a Z-Wave device to announce that is able to communicate.
- **Node Information Frame** is a special wireless message issued by a Z-Wave device to announce its capabilities and functions.
- **Controller** is a Z-Wave device with capabilities to manage the network. Controllers are typically gateways, remote controls or battery operated wall controllers.