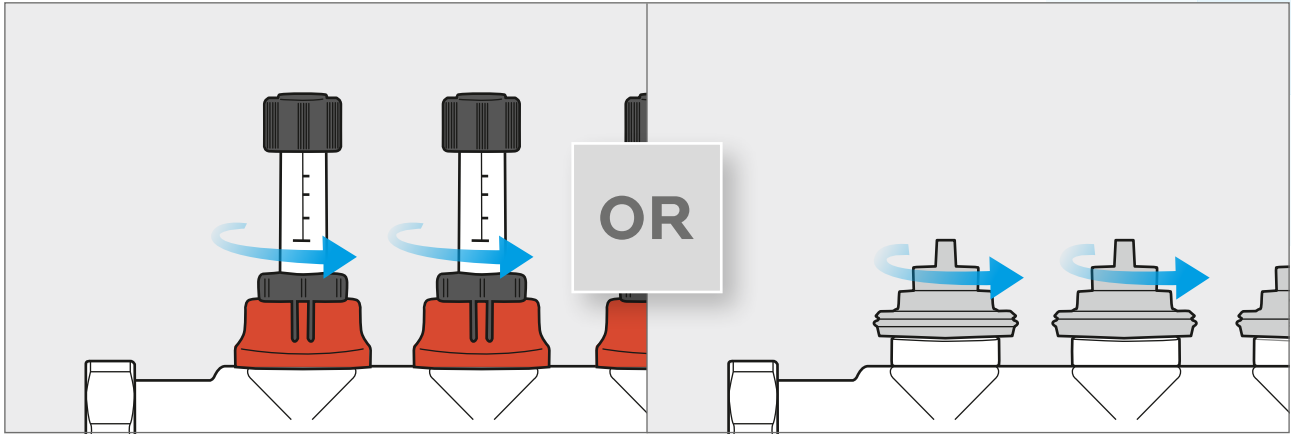


INTELLIGENT AND ADAPTIVE:

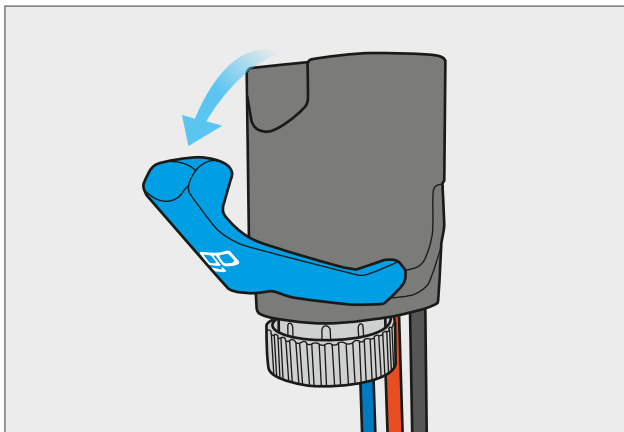
# EGO ADAPTIVE FLOW CONTROLLER M30 MOUNTING INSTRUCTIONS

ego

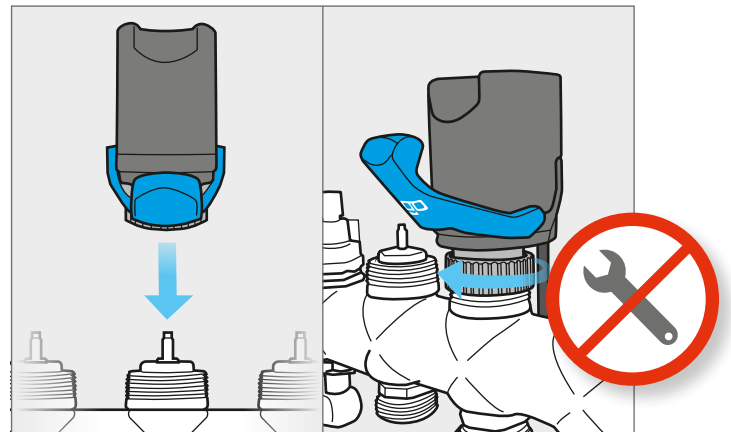
## 1 Fully open all existing balancing valves



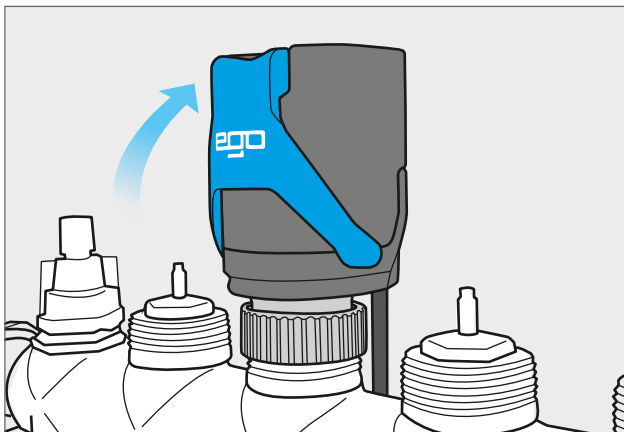
## 2 Open lever



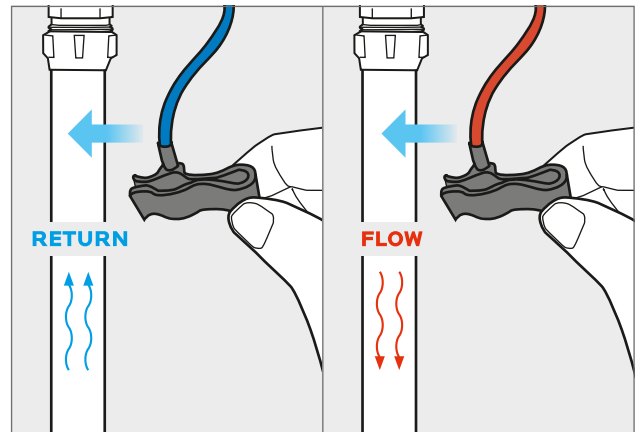
## 3 Install Adaptive Flow Controller



## 4 Close lever



## 5 Mount sensor clips

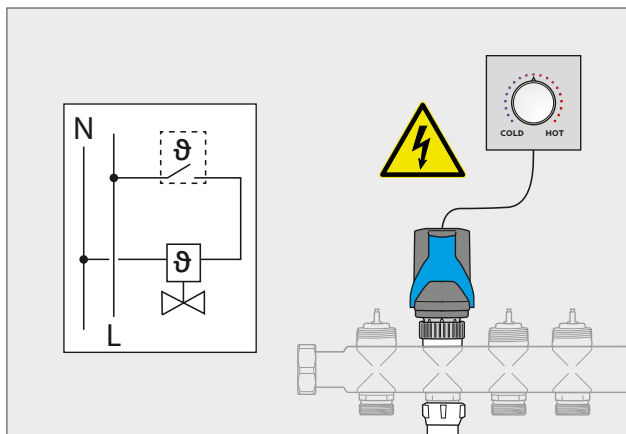


INTELLIGENT AND ADAPTIVE:

# EGO ADAPTIVE FLOW CONTROLLER M30 MOUNTING INSTRUCTIONS

ego

## 6 Connect thermostat / voltage source



**Warning:** Must be carried out by an electrician. Valid safety regulations apply.

Voltage: 230 V AC, 50 Hz  
Inrush current: 130 mA for max. 200 ms  
Power consumption: 1.7 W  
Power factor  $\lambda$ : 0.1 to 0.99 (capacitive acting)  
Protection class: II  
Protection type: IP 54  
Ambient temperature: 0 – 50 °C  
Mounting position: any position

LED Code	Information
Flashing <b>Green</b>	Normal operation
Flashing <b>Blue</b>	Initialization
Flashing <b>Yellow</b>	Ego not mounted or valve closing dimension too small (valve pin too short)
Flashing <b>Red</b> (twice)	Flow temperature > 60 °C
Flashing <b>Red</b>	Malfunction / limited function

## Manufacturer:

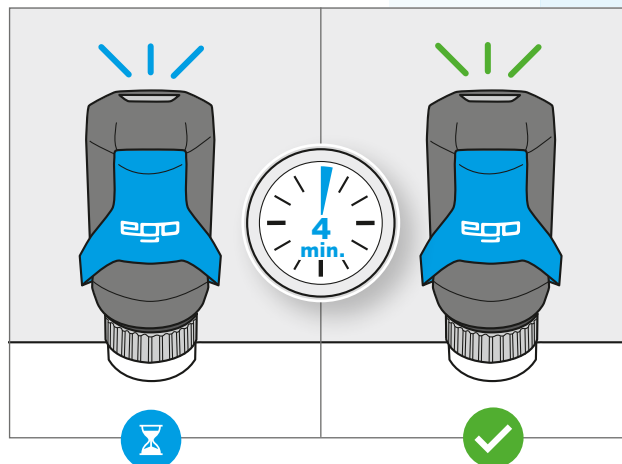
**STRAUB KG**  
Dr.-Troch-Straße 17  
99867 Gotha  
Germany

[www.strawa.com/produkt/2110210002](http://www.strawa.com/produkt/2110210002)



V 1.2.2 – 04 / 2024  
Subject to changes and errors

## 7 Start



## General purpose

Autonomous intelligent electrothermal Adaptive Flow Controller 230 V NC used for an adaptive hydraulic balance for each circuit of a manifold for radiant panel heating and cooling systems. The folding lever of the normally closed Adaptive Flow Controller is used to ease mounting or to open the thermostatic valve manually. With integrated flow temperature limiter.

For installation on radiant manifolds with at least 50 mm heating circuit spacing. Suitable for thermostatic valves M30x1.5 external thread (11.8 mm closing dimension) from well-known manufacturers. Temperature sensors are suitable for panel heating pipes made of plastic, metal or combination thereof with outside diameter from 12 to 20 mm.

Due to its capacitor power supply, the ego represents a capacitive load. All upstream actuators (e.g. room controllers or terminal strips) must be suitable for this.

## Malfunctions and troubleshooting

If the regulatory capability is substantially disrupted by an error (the LED will flash red) or is the function of the heating circuit in spite of sufficient primary energy supply regular operation (the LED will flash green) not given, can a manual initialization may fix the cause.

**See QR code below for more information and operation.**

If the malfunction cannot be rectified, the EGO must be replaced.

**More details and problem-solving approaches** can be drawn from the data sheet:



[www.strawa.com/wp-content/uploads/2021/06/2110210002\\_EN\\_IS.pdf](http://www.strawa.com/wp-content/uploads/2021/06/2110210002_EN_IS.pdf)



Do not dispose with domestic waste. Local regulations for electrical scrap recycling applies.