

FlatMaster



Application

The FlatMaster is a controller for connecting all Climeo components in a flat: up to 24 AirGates, 24 TempGates and one RoomMaster. In addition ModBus devices can also be connected.

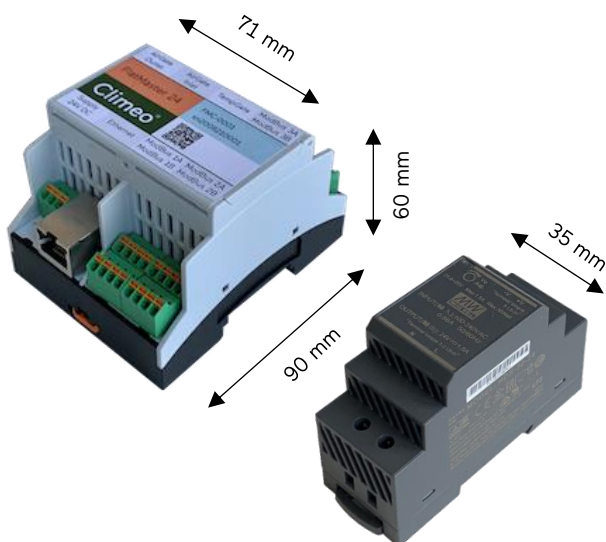
The included power supply supplies the FlatMaster with 24 VDC.

The FlatMaster communicates with the Internet via Ethernet and, if available, with the SystemMaster.

Technical data

Temperature	0 - 40°C
Power supply	24 VDC / 1.5 A
Dimensions FlatMaster	71 x 90 x 60 mm
Power supply unit dimensions	35 x 90 x 60 mm

Communication:
ModBus RTU, SAGB and Ethernet 100 Base T



Installation

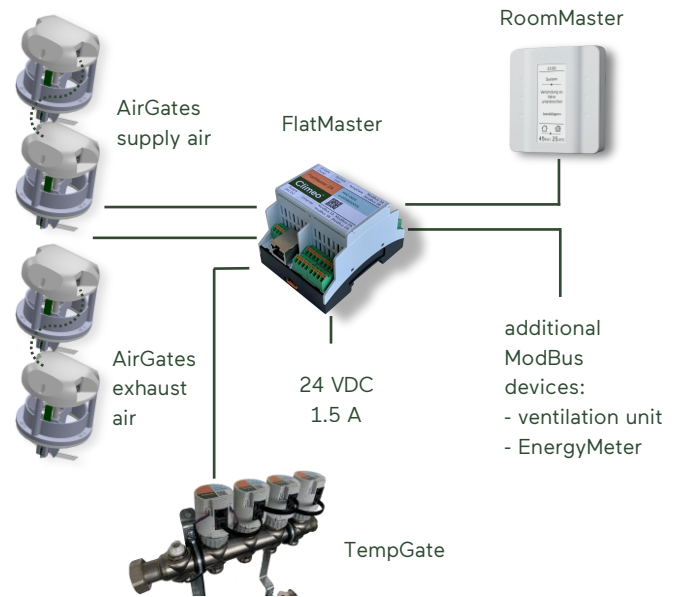
The FlatMaster is installed and connected in the electrical distribution box on the top-hat rail together with the power supply unit included in the scope of delivery. It automatically configures all connected devices and connects to the web app.

The electrical connection of the power supply is made via two connection wires (+/-).

Connections inside a flat

The AirGates and TempGates can be connected via three RJ12 sockets (AirGate supply air / AirGate exhaust air / TempGate). The bus cable supplies the components with power and ensures communication.

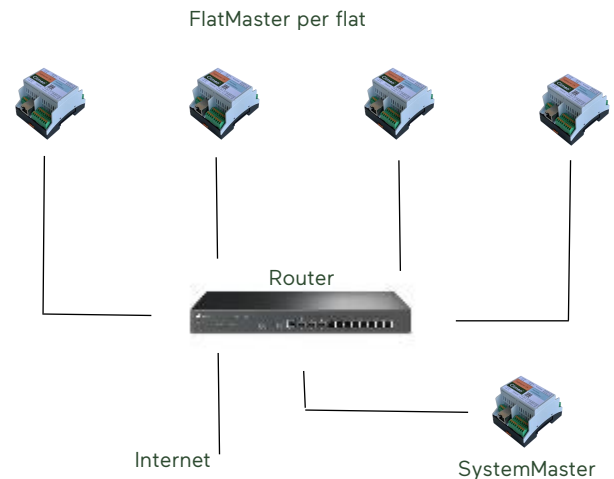
There is also a connection for communication with a RoomMaster or other ModBus devices (e.g. local ventilation units).



Apartment building wiring

The FlatMaster per flat and the SystemMaster are connected directly to the router via Ethernet. The router requires a permanent connection to the Internet.

Integration into existing networks and control systems is possible on request.



Electrical wiring diagram

The FlatMaster has 3 RJ12 sockets to which AirGates and TempGate are connected. Additional devices such as the RoomMaster, a ventilation unit (if a separate ventilation unit is used per flat) and the EnergyMeter are integrated via a ModBus interface. The FlatMaster 24 also has an RJ45 socket for the Ethernet/WAN connection.

The 24 VDC supply from the power supply unit is connected to the FlatMaster via corresponding terminals.

Power supply unit and FlatMaster, electrical connection

