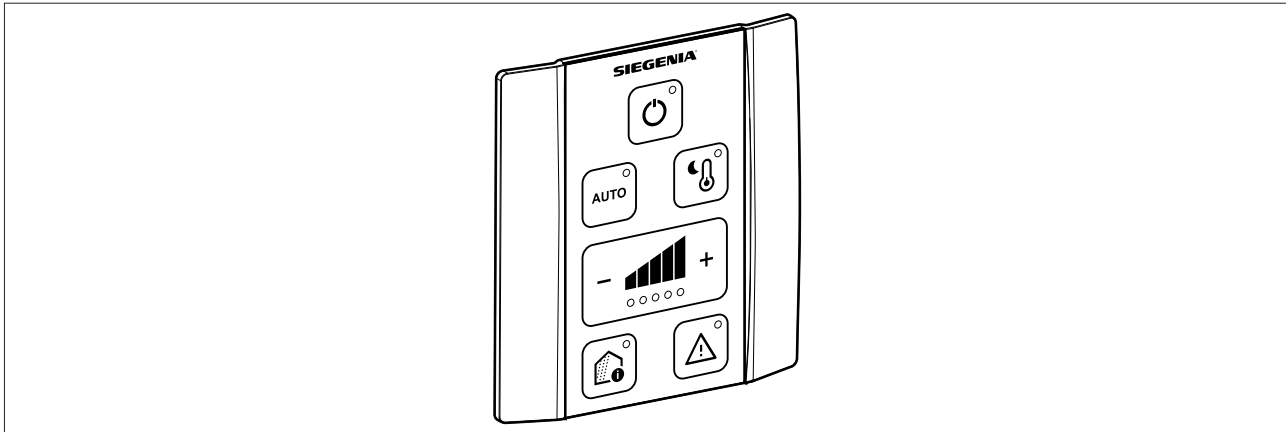


1 Ventilation control unit



1.1 Application

- The ventilation control is an external, wired control unit for SIEGENIA ventilation systems with SI-BUS.
- The sensor ventilation control unit is an external, wired control unit for SIEGENIA ventilation systems with SI-BUS, which is equipped with additional temperature, air humidity and CO2 sensors.
- Ventilation units with SI-BUS:
 - AEROMAT VT A
 - AEROMAT VT Z
 - AEROMAT VT WRG
 - AEROMAT VT WRG plus
 - AEROPLUS WRG
 - AEROPLUS WRG smart

1.2 Operation

- The ventilation control unit can be coupled with between 1 and 9 ventilation units via the SI_BUS.
- If there is more than one ventilation unit in the bus system, the connected ventilation units follow a master-slave hierarchy. The master is always the ventilation unit from whose menu the coupling was carried out. All other ventilation units are slaves.
- It is possible to couple different ventilation units.

AERO – Product data sheet

Ventilation control unit

1.3 Functions

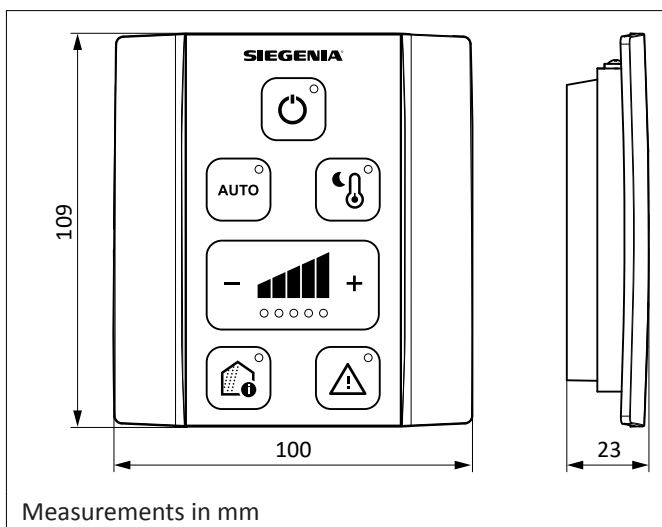
Functional element	Device type	
	Ventilation control unit	Ventilation control unit sensors
Temperature and humidity sensor	-	●
CO ₂ sensor	-	●
Different blower levels	●	●
Automatic mode	●	●
Night ventilation	●	●
Filter replacement indicator	●	●
Air quality indicator	●	●

Symbol	Explanation
●	Standard version
○	Optional or alternative version
-	not available

1.4 Technical specifications

	Ventilation control unit	Ventilation control unit sensors
Power consumption	0.6 W	0.8 W
SI-BUS nominal voltage	24 V DC (+5 %, -10 %)	24 V DC (+5 %, -10 %)
Protection class	IP20	IP20
Ambient temperature	-20 – +70 °C	-20 – +70 °C
Ambient air humidity	max. 85%, non-condensing	max. 85%, non-condensing
Permissible operating temperature of sensors	–	0 – 50 °C

1.5 Ventilation control unit dimensions



1.6 Required components

The listed components are required to establish the function.

Variant 1: connection with AEROPLUS WRG										
Name	Quantity of AEROPLUS WRG									Material number
	1	2	3	4	5	6	7	8	9	
Connection cable (L = 1 m)										3513121
Connection cable (L = 2 m)	1	3	5	7	9	11	13	15	17	GAPC0030-000010
Connection cable (L = 5 m)										GAPC0040-000010
Y-adapter cable (L = 0.1 m)	–	1	2	3	4	5	6	7	8	GAPC0060-000010
Extension cable (L = 2 m)	if required									3513123

Variant 2: connection with AEROMAT VT										
Name	Quantity of AEROMAT VT									Material number
	1	2	3	4	5	6	7	8	9	
Connection cable (L = 1 m)										3513121
Connection cable (L = 2 m)	–	1	2	3	4	5	6	7	8	GAPC0030-000010
Connection cable (L = 5 m)										GAPC0040-000010
Y-adapter cable (L = 0.1 m)	–	1	2	3	4	5	6	7	8	GAPC0060-000010
Extension cable (L = 2 m)	if required									3513123