

KaControl Tableau SEL4.0 – Type 3232223

The system solution for heating, cooling, and ventilation management!



The KaControl Tableau SEL4.0 is a central hub where information is collected, processed, and shared.

The KaControl Tableau SEL4.0 has the capability to monitor up to 60 devices for heating and cooling through Modbus-RTU in up to 25 control zones, using the integrated alarm and event management system to transmit corresponding settings to the respective control zones based on time and events.

Furthermore, it offers a variety of functions for the hydraulic integration of our devices, enabling the control of pumps and valves in the hydraulic secondary circuit and its regulation.

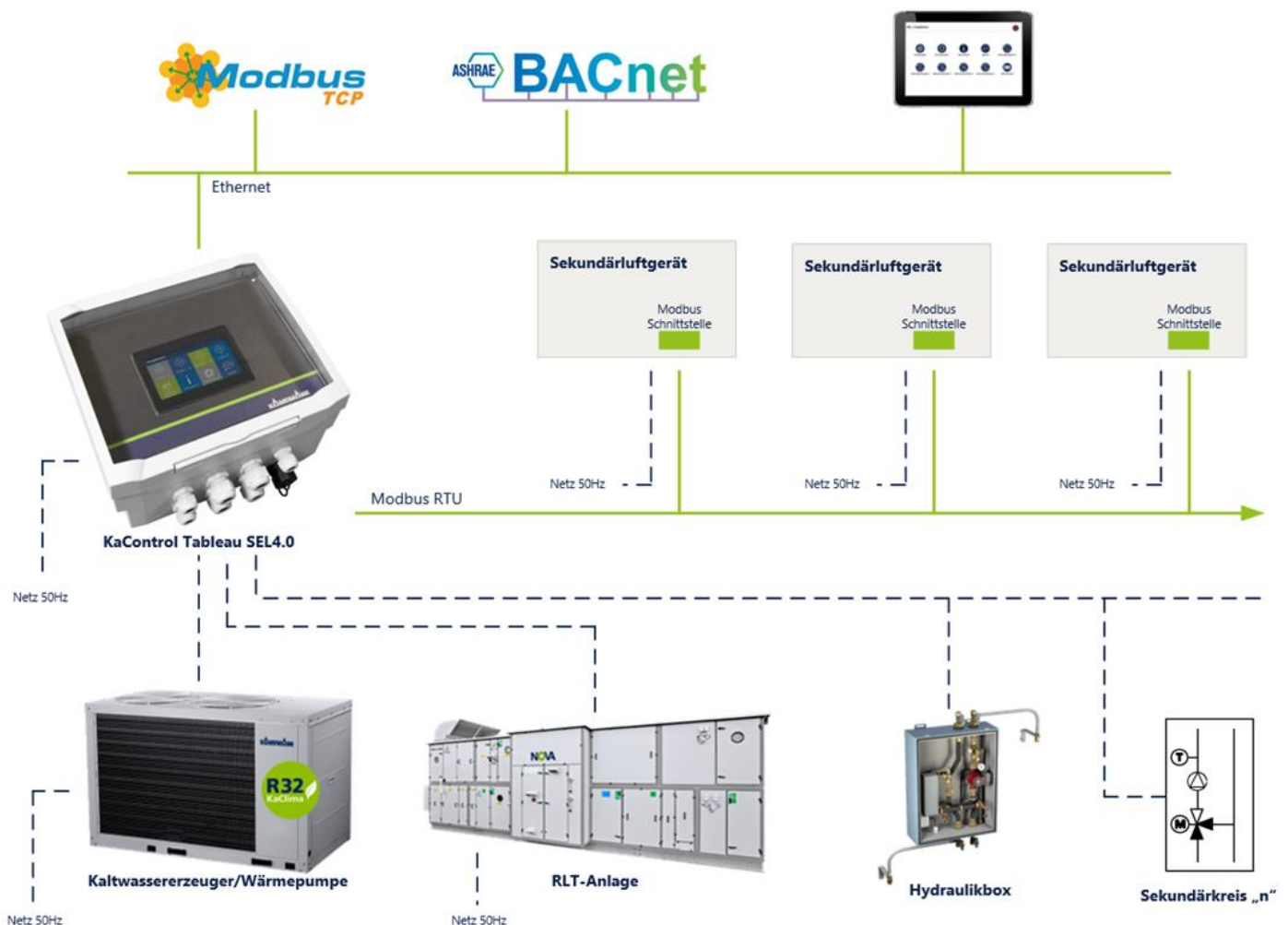


What does the KaControl Tableau SEL4.0 offer?

- Touch operation
- Integrated web server
- Modbus TCP onboard
- Optional BACnet license available
- Integration of heat and cold generators
- Demand for outdoor air ventilation system across all zones
- Completely pre-configured system control
- And much more

Excerpt of functions:

- 60 KaControl SEL devices in up to 25 control zones
- Zone-specific switching between heating and cooling
- Grouping of control zones (sequential groups)
- Control of zone pumps
- Outdoor temperature-based flow control
- Central system switching between heating and cooling
- Demand for zone ventilation
- Individual time schedule per zone/room



Operation

Touch/HMI (DE/EN)

The KaControl Tableau SEL4.0 has an integrated touch terminal, which is equipped with an intuitive operating philosophy, allowing the user to easily access all essential functions.



Webserver/HMI (DE/EN)

The integrated web server allows full control of the system component for which the SEL Tableau is used. When integrating the Tableau into a network infrastructure, it becomes accessible through all devices within the network, enabling users to operate the KaControl Tableau SEL4.0 via a web browser.



Communication

Modbus TCP

The KaControl Tableau SEL4.0 can be directly integrated into a building automation system (GA system) via the integrated Ethernet interface. For this purpose, the Modbus TCP protocol is available by default.



BACnet IP

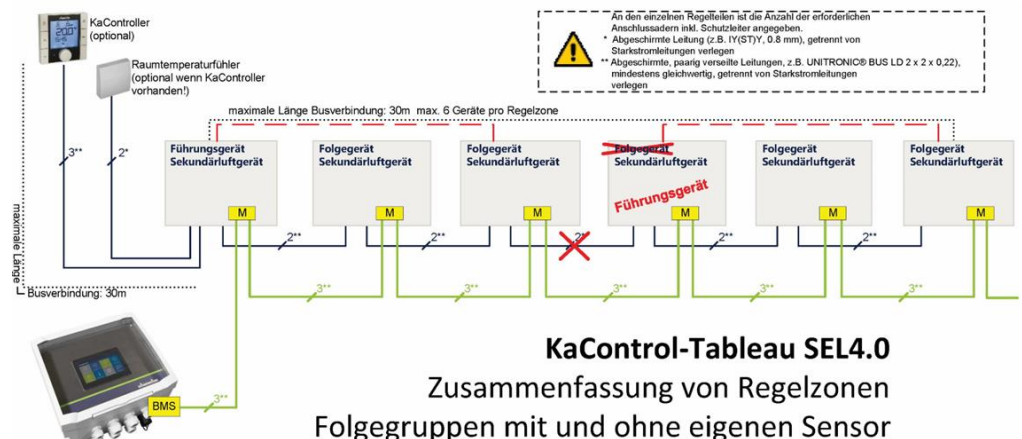
The KaControl Tableau SEL4.0 can be unlocked for BACnet IP communication via the integrated Ethernet interface with a separately available license. This license key will be delivered via email.



- BACnet B-AAC Client License Type 3270401
- BACnet B-BC Client/Server License Type 3270402.

Grouping of control zones

Several control zones (KaControl C1, max. 6 devices/30m) can be grouped together with the KaControl Tableau SEL4.0. The number of devices in a control zone can be increased to up to 60 devices with a maximum cable length of 500m.



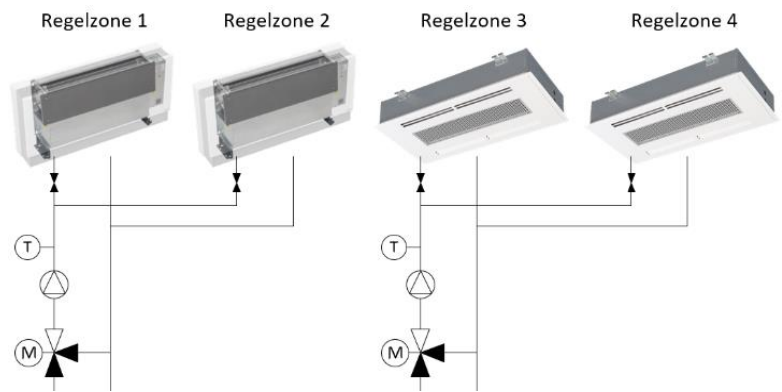
Heating/Cooling - Control of zone pumps



The KaControl Tableau SEL4.0 allows certain control zones to operate in automatic mode according to the hydraulic integration of the SEL devices or to switch between heating and cooling.

Zone pumps can be controlled based on the hydraulic integration by freely assigning them to the control zones. For this purpose, the KaControl Tableau SEL4.0 is equipped with three power relays (max. 10A).

If needed, this functionality can be expanded with an outdoor temperature-based flow control.



Zone ventilation demand

By pressing the ventilation button on the KaController, it is possible to control a volume flow controller or request ventilation demand for a ventilation system.



Overview of the KaControl Tableau SEL4.0 product.

196003232223 KaControl Tableau SEL4.0 Type 3232223

required services

196901364545	project-specific documentation for the SEL Tableau
196000130995	functional test & instruction for the KaControl Tableau SEL

accessories (optional)

196003250112	outdoor sensor IP54 Type 3250112 NTC10K-C
196003250118	pipe-mounting sensor KaControl Type 3250118

licenses (optional)

196003270401	BACnet B-AAC Client License Type 3270401.
196003270402	BACnet B-BC Client/Server License Type 3270402

Version: 20230801-AS