



# ***KaControl*** **Building Automation**





## **KaControl**

The universal building automation system

### **One solution for all buildings**

This is the demand made on modern and efficient technical building management systems. In times of diminishing resources in the energy sector, energy efficiency is paramount. Over and above continuously improving products for the generation of heat and cooling and ventilation, the meaningful interlinking of these high-quality individual components is the key to an energy-efficient total building concept.

*KaControl* is a system, which meets these new challenges. In addition to *KaControl* system technology, it is also possible to fall back on all common standards of international building management technology.

*KaControl* can thus be used in the commercial, private and industrial sectors. The location defines the products. *KaControl* networks the products.

### **One technology for all tasks**

Irrespective of whether a large number of secondary ventilation units are to be networked via a decentralised room automation system, or a production plant is to be air conditioned via a central ventilation plant: Kammann provides the relevant solutions for all applications. These solutions can be combined individually and integrated by *KaControl* into a fully-functioning total system.



### **One operating unit for all users**

With systems technology needed for building environments, the most important factor should not be forgotten: the human factor! Freed from the more complex demands made on modern building management, the *KaControl* provides a consistent operating philosophy for all tasks, directly tailored to the needs of the end-user. The design of the operating unit, the sole visible element of *KaControl* technology, is also a decisive factor in terms of interior design.



# The KaController

The "face" of the product

## Product features

With a large display and one-button operation, the KaController offers the highest level of operating convenience. Based on the principle of "Show only what is needed", even the untrained user will be guided intuitively through the operating options. The KaController thus meets the primary needs of the operator of a ventilation or air conditioning system: "I am hot" – "I am cold" and, last but not least, "The air quality is poor."

These basic functions are always simply operated in the same way using the KaController.

- High-quality, wall-mounted room control
- Plastic housing, RAL 9010-similar colour
- Communication interface to the Kampmann-T-LAN bus system
- Large display with automatic switch-off of background lighting
- Integral room temperature sensor
- Infinitely movable press-turn navigator
- Individually adjustable basic display
- Integral week programme
- Password-protected parameterisation level







## KaControl for Venkons

Kampmann fan convectors are now also available with **KaControl** technology. Every fan convector is now equipped with its own intelligence thanks to a decentralised control system of powerful micro-controllers. These units can be linked into large systems by means of plug-in interface modules or optionally used within BACnet or LON building management systems.

- Recirculating air/fresh air modes
- 2- and 4-pipe systems
- Fault alert management
- 3-stage fan control
  - Integral valve regulation
  - Individual room regulation



## KaControl for PowerKon NT\*

The innovative Kampmann PowerKon heat exchangers are now also available as low-temperature heaters with fan assistance – for maximum output from minimum space. The energy-saving effect of the low temperature system is assisted by the use of very energy-efficient EC motors combined with KaControl technology.

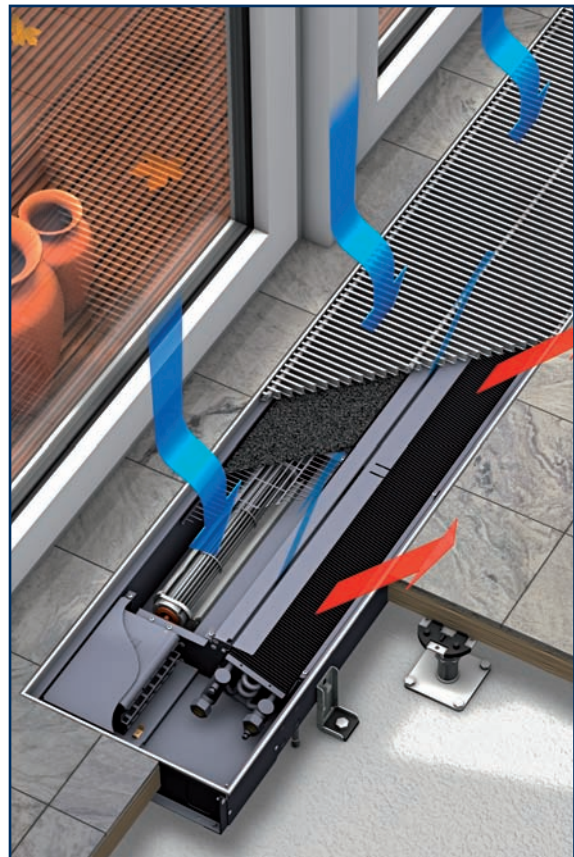
- Power stage for fast warm-up
- Condensation-free cooling mode
- Energy-saving EC motor for basic load operation
- User-friendly control unit; KaController with timer programme integrated in the heater
- Networking possible with the Kampmann KaControl system
- Fan control with 0-100% fan assistance



## KaControl for Katherm\*\*

The combination of KaControl technology with the latest generation of EC crossflow fans meets the demand for energy efficiency and integration in modern living and building concepts. The parameterisable KaControl controller has a wide range of diverse functions:

- 5-stage manual fan control
- 0-100% fan control function
- Valve control for 2- and 4-pipe systems
- KaController operating unit with timer programme
- Floor duct fault alert evaluation
- 24V safety engineering
- Optional: Plug-in interfaces for BMS connection

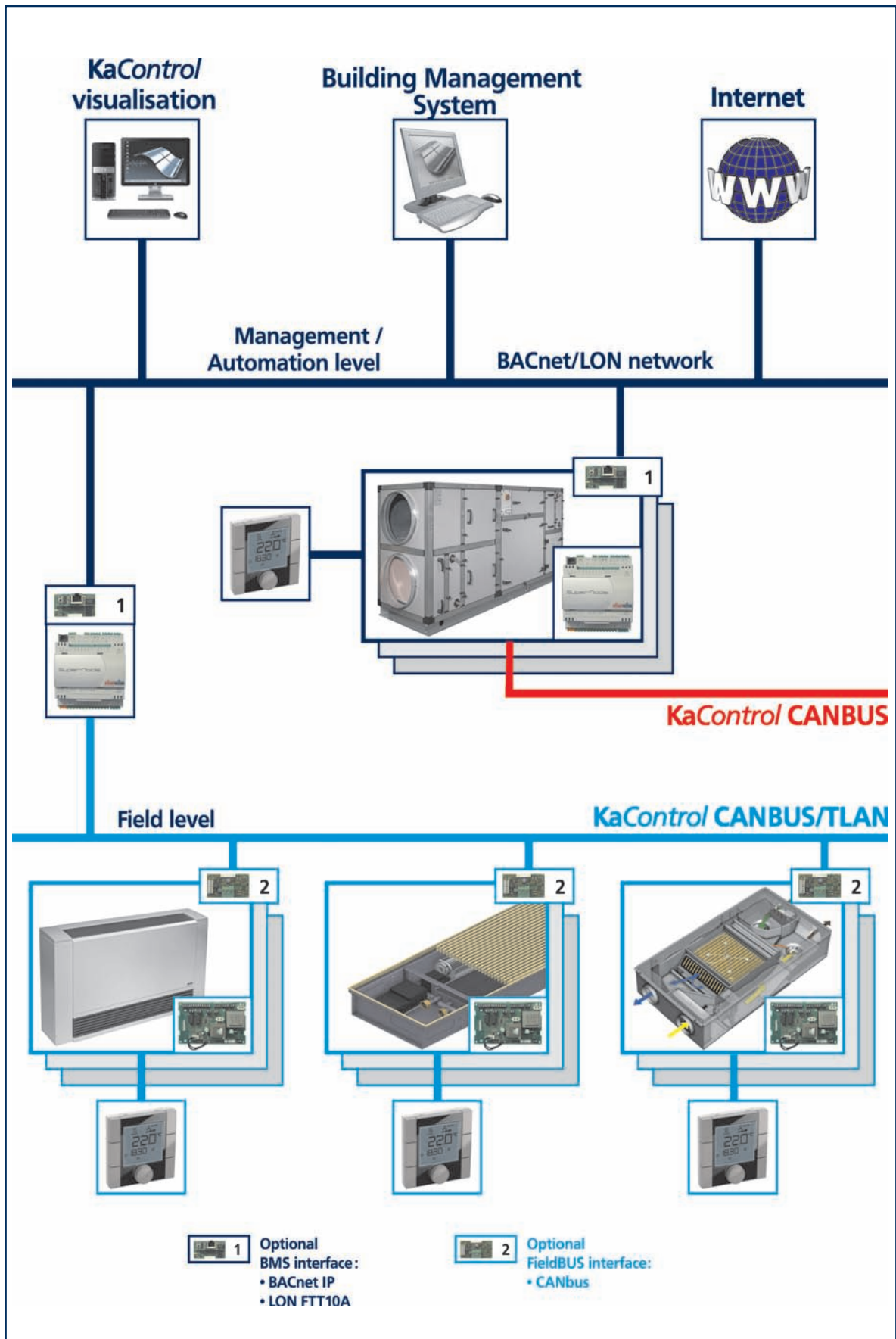


\* available from 12/2009

\*\* available from 03/2010



# KaControl system overview



KaControl provides interfaces and possible uses at all levels of modern building automation. The system, or even only parts of the system, can thus be integrated into all building management systems.

### Field level

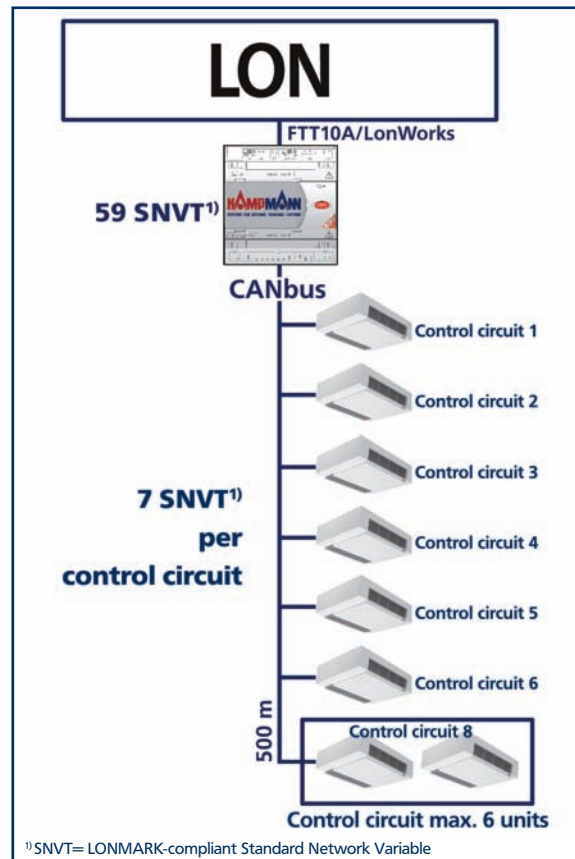
Room-based individual systems can be set up with an operating unit using the Kampmann T-LAN bus system or a CANBUS system.

### Room automation

Several rooms can be combined to form one network using field bus interfaces. There is also an option here of operating units with different functions within a databus system.

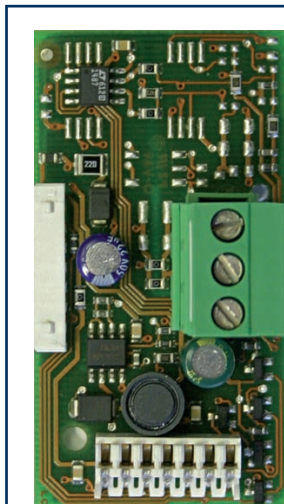
### Management/Automation level

Here a CANBUS system or a link using RS485 technology offers the option of functionally connecting units from the field level with large-scale ventilation units. Stand-alone building management can be created for ventilation/air conditioning systems using KaControl building management applications and PCs or industrial PCs.

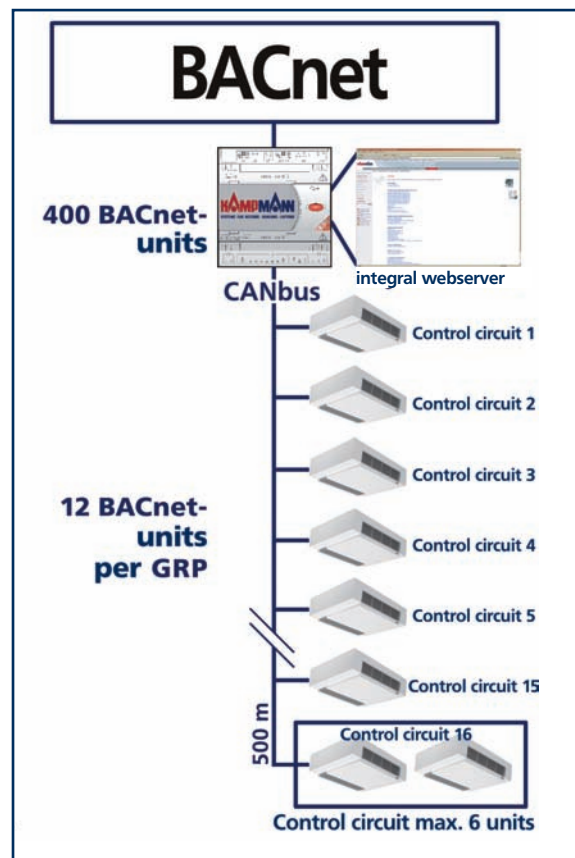


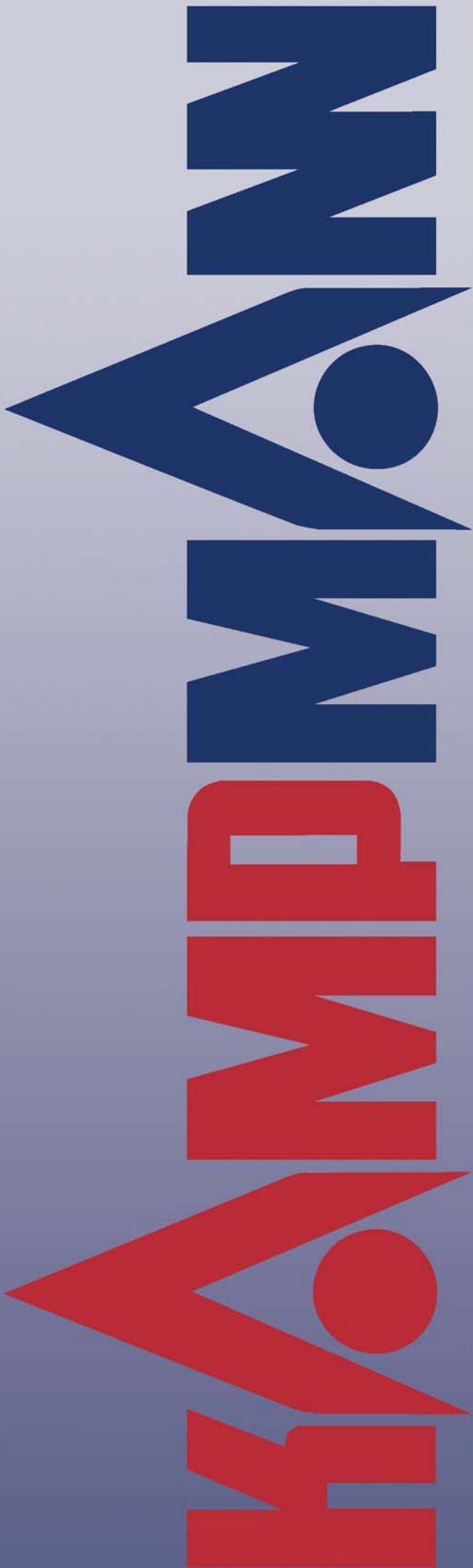
### Integration into higher-order systems

KaControl also offers the option of defined data transfer between an air conditioning system and a higher-order central building management system via interfaces. Thus, for example, communication is possible via BMS standard BACnet or LON defined communication profiles between the KaControl and the management system.



Plug-in communication interface, for example for connecting to a BACnet management system





**KAMPMANN GmbH**

**UK Office**

Dial House

Govett Avenue • Shepperton, Middlesex TW17 8AG

Tel. +44 1932 228592 • Fax +44 1932 228949

info@kampmann-uk.co.uk • www.kampmann-uk.co.uk

**Keane Environmental Ltd**

Kilkenny Office • Kilcross • Inistioge • Co. Kilkenny

Tel. +353 56 7758524 • Fax +353 56 7758737

keaneenv@iol.ie • www.kampmann.de



**SYSTEMS FOR HEATING • COOLING • VENTILATING**

**KAMPMANN GMBH • Germany**

Friedrich-Ebert-Straße 128 - 130 • 49811 Lingen (Ems)

Telefon: +49 591 7108-0 • Telefax +49 591 7108-300

info@kampmann.de • www.kampmann.de