



Kieback&Peter

LOCAL OVERRIDE OPERATION (LVB)

SYSTEM SOLUTION WITH TOUCH

The first LVB with touchscreen: intuitive - flexible - secure

WITH FORWARD-THINKING TOUCH:

THE NEW LOCAL OVERRIDE OPERATION

More smart and stylish than all the rest – the new local override operation with touchscreen operation by Kieback&Peter has arrived. The uniquely innovative system-solution scores points with its self-explanatory design, particularly simple installation, wide-ranging digital configurability and secure operation.

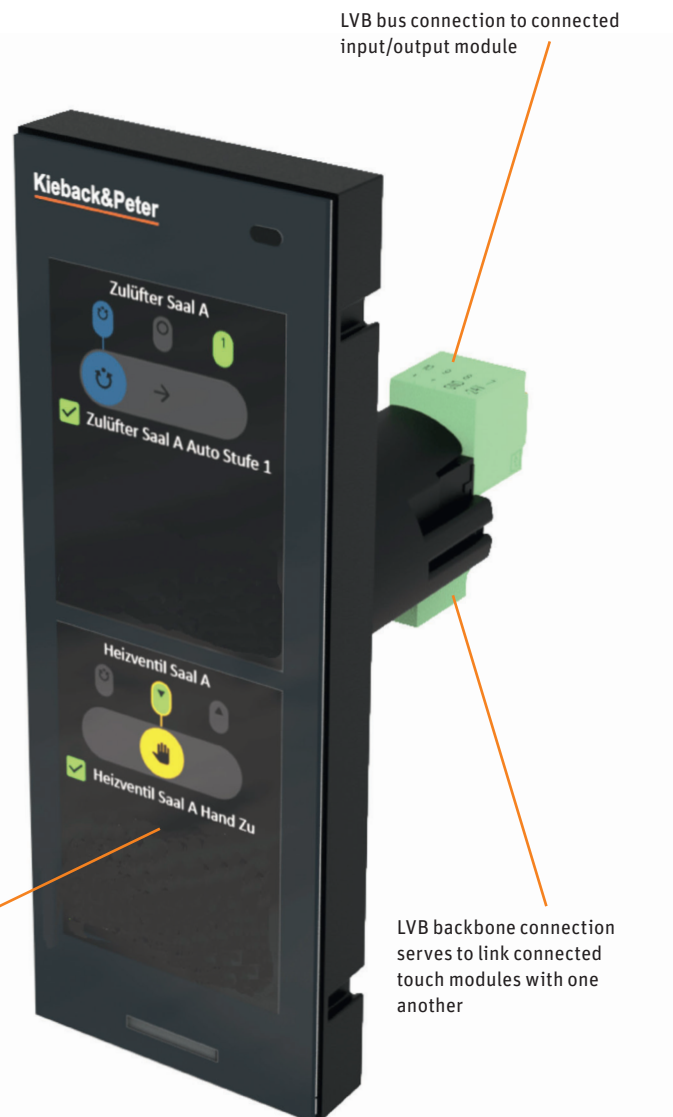
Operational reliability can also be stylish

Smart building automation from Kieback&Peter maximizes the energy efficiency, convenience and security of modern buildings. In line with the principle: All systems have to run smoothly – especially in properties related to critical infrastructure, such as hospitals, the utility industry and schools.

Local override operation exists so that the hardware can still do its job, even during maintenance work or possible interruptions: Controls in the vicinity of connected systems such as ventilation or heating. These can be used, for example, to control ventilators, heating registers, valves or pumps by hand if necessary – with conscious overmodulation of the central building automation. Until now, operation was performed using conventional modules by means of rotary controls and buttons.

However, the new, unique front-switching module from Kieback&Peter makes it possible to operate using a touchscreen in a secure, simple and self-explanatory manner.

Operated by tapping the touchscreen or by simple finger movement



The new local override operation from Kieback&Peter is a smart solution that combines a touchscreen user-interface that is unique to the market, with maximum performance-capability to ensure a system operation that is permanently secure.



As easy to use as a smartphone

The new local override operation (LVB) from Kieback&Peter is a smart solution that guarantees secure building operation and meets all legal requirements, including DIN EN ISO 16484 Part 2 / VDI3814. The operating module also scores points with its touchscreen technology with energy-saving dimmer feature that is unique to the market. The modules clearly visualize all relevant system states

for manual operation.

All functions and relevant values are displayed in a self-explanatory manner, so that the system can, if necessary, also be operated by electrotechnical laypersons, thanks to the well-thought-out screen design. It also comes without mechanical components such as switches or potentiometers.



Cost effective – Not only during installation

The touch modules of the new LVB are based on a shared hardware and can be mounted directly on the control cabinet door without an installation frame to save time. A punched round hole is all that is required for installation. What's more, unlike conventional modules, no separate dust cover is required –

the touchscreens meet the requirements of protection class IP54 (dust/splash-water protection). A separate annotation or engraving is not necessary for clear allocation of the operating units – the relevant information text is simply permanently visible.



Select functions easily using software

The new generation of local override operation (LVB) from Kieback&Peter combines a wide range of features – including configuration. During commissioning, the operating modules can easily be assigned the desired functions via software. All of the various

functions and related user interfaces are configured in the planning system 4000 and can be precisely tailored to the respective task in a few short work steps. It is not necessary to perform any settings on the device itself (hardware).



Economic and flexible – for secure system operation

In the spirit of economical orientation towards practical use, Kieback&Peter has designed the input/output modules of the local override operation for simple installation on the standard rail in the control cabinet or detached in an insulated enclosure. This minimizes the work required for installation and commissioning – further aided by practical push-in clamps for the cabling. And there is one more

practice-oriented benefit: The devices are hot-plug-ready – maintenance and replacement are possible with no interruption of system operation. Everyone benefits from this device concept: Control cabinet manufacturers, service/commissioning engineers and operators. And that's in addition to the stylish design of the operating modules.

THE LVB IN THE DDC4000 SYSTEM

AT A GLANCE

LON
BACnet



Automation stations

DDC4002e, DDC4200e, DDC4400e

- Online server
- Plain-text-guided interface
- 32 binary in-/outputs
- 24 analog in-/outputs

LON
BACnet



DDC4002e

- +5.7" TFT touchscreen
- +4 A/C systems or 8 heating systems

LON
BACnet



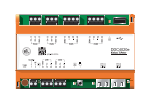
DDC4200e

- +5.7" TFT touchscreen
- +12 A/C systems or 24 heating systems

DDC4400e

- +12 A/C systems or 24 heating systems

LON
BACnet



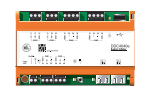
DDC4020e, DDC4040e

- Online server
- Plain-text-guided interface

DDC4020e

- +4 A/C systems or 8 heating systems

LON
BACnet



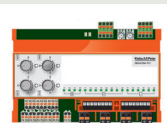
DDC4040e

- +12 A/C systems or 24 heating systems

Display and operating device

TPC70

- 7" widescreen touchscreen for remote operation
- System images in full-screen format



Inputs/Outputs of the LVB

BMA0804-PO, BMD1204-PO, BMD0401-PO

- Highly flexible field connection
- Hot-plug capability
- Emergency manual operation
- LEDs for all in-/outputs for status, service, troubleshooting
- Direct connection possible for all field devices
- Configurable security situation for outputs

BMA0804-PO

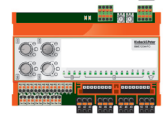
- 8 analog inputs, 4 analog outputs
- Function macros for the analog signals of the LVB

BMD1204-PO

- 12 digital inputs, 4 relays
- Function macros for the analog signals of the LVB

BMD0401-PO

- 4 digital inputs, 1 relay function macros
- Function macros for unlocking, collective error message and acknowledgement of the LVB



LVB operating modules

TMU-PO

- Color touchscreen
- Operating module for analogue and digital signals
- Combined with BMA0804-PO and/or BMD1204-PO
- Additional dimmer feature

TMC-PO

- Color touchscreen
- Central operating module for unlocking, collective error message and acknowledgement of the LVB
- Combined with BMD0401-PO
- NFC dongle to lock/unlock operation of the LVB
- Additional dimmer feature

TMB-PO

- Blind cover



Z851 accessories

- Adapter plate for 4 operating modules
- For KA-frame for migration

Kieback&Peter

Kieback&Peter has stood for lived sustainability since 1927. The German family-owned company is a pioneer for a sustainable and valuable future, in which it combines smart building technology, data-based services, sustainable excellence and multiple synergy effects to create evolutionary solutions. This capability for finding solutions is based on experience,

insights and excellence. This makes Kieback&Peter the **Smart Building Solutioneer**: We secure and thus expand the value of buildings and business models – while simultaneously achieving multiple gains in terms of **environmental protection, quality-of-life and social participation**.

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