



**Berker** the right way.

# CENTRAL OPERATING UNIT WITH TOUCH DISPLAY

## EXTREMELY CONVENIENT OPERATION

No pressure keys, no mechanical switches at the edge of the unit, and completely without push-buttons – the new MT 701 ct mini tableau from Berker doesn't need any of these, because its high-resolution colour TFT display is designed as a touchscreen. This provides the necessary overview, and offers enough space for all of the functional operating elements.

A light touch on the sensor surface, or lightly gliding with a finger over a key field on the display – that is all it takes to activate the underlying function or to display the data for the connected devices. It is possible this way to trigger room-related functions, for instance to control light sources or the heating system. If central devices or sensors have already been installed in a KNX/EIB system, then they can also be integrated into this control concept. For example, measurement data from a weather station can be visualised on the display, or fault messages can be received from an alarm central unit.

Controlling building functions conveniently from a single location, or calling up information quickly and easily – the MT 701 ct from Berker is useful to anyone who wants to control innovative technology intuitively.

## ELEGANT, UNOBTRUSIVE DESIGN



MT 701 ct, polar white  
Frame, glass, polar white

Order no.: 7574 00 10  
Order no.: 7594 01 01



MT 701 ct, anthracite  
Frame, stainless steel

Order no.: 7574 00 11  
Order no.: 7594 01 03

# OPERATION WITH AN INDIVIDUAL CHARACTER

## OPEN CONTROL CONCEPT

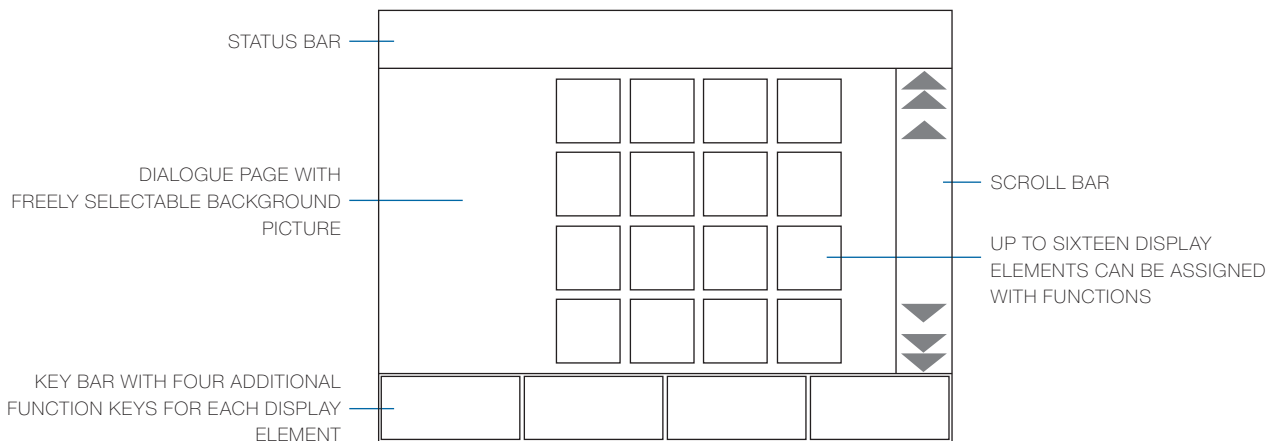
The control concept has deliberately been left open, thus providing tremendous scope for individual wishes and creative design ideas. For instance, together with the customer you can develop a custom-tailored control architecture. Alternatively, Berker provides a base project which is available online that can be adapted to suit the customers' needs.

Up to fifty freely combinable dialogue pages are available; these can be used to design a menu structure that will enable the user to move about the house digitally more or less the same way he is accustomed to. Each page can be configured individually, for example with the floor plan of the house, or a photo-realistic background of the room in question.

On each page, up to sixteen display elements (buttons) can be positioned and assigned with functions in practically any desired manner. If required, each of these display elements can be given four additional function keys in the bottom line of the display. These function keys can be used, for example, to trigger a detail function such as ON, OFF, BRIGHTER or DARKER, or to call up a different page.

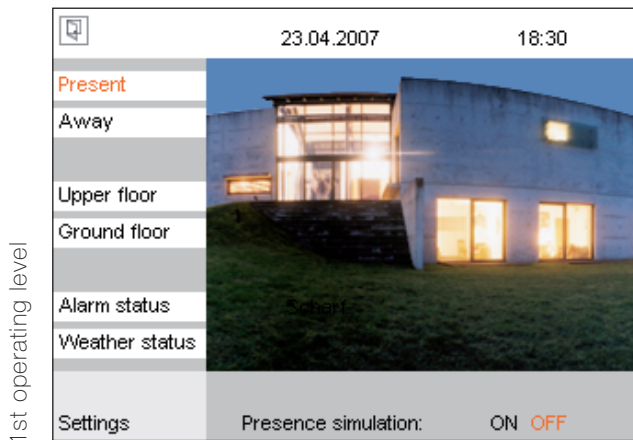
Rounding out the conceptual possibilities are the following features:

- Status indications in the top line of the display, such as fault message in the form of text or symbols, measured values and date/time
- Scroll bar at the right-hand edge of the display for scrolling the dialogue page vertically
- Password-protected access control for each display page with different access rights
- West European, East European, Greek and Cyrillic character sets



# MOVING ABOUT THE BUILDING DIGITALLY

THESE EXCERPTS FROM A PROJECT RECOMMENDATION SHOW CONTROL SEQUENCES FOR A CONCEPT...



## BUILDING

- Master functions
- Navigation elements

An intuitive introduction to building navigation via the start page.

The room overviews for the various floors of the building are selected directly using the control elements in the menu bar. What is more, this page can be used to activate master functions such as the presence simulation<sup>1</sup>, which makes it appear as if the residents are at home even when they are away, or the „Present“ settings defined as the standard. The orange-coloured lettering indicates the specific functions that are active.

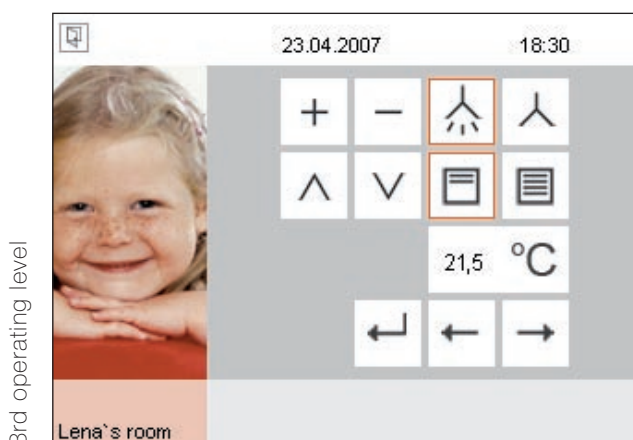


## FLOOR (upper floor)

- Master OFF function
- Graphical status display
- Navigation elements

The overview for the upper floor with a representative image for each room.

All of the rooms on the upper floor can be accessed from here directly. If functions are active in a room, then the corresponding image is shown with an orange border. In addition to the master function, which can be used to switch off all of the loads on the floor, this page also has key fields for navigation to the operating levels.



## ROOM (Lena's room)

- Room functions (facilities)
- Status display
- Navigation elements

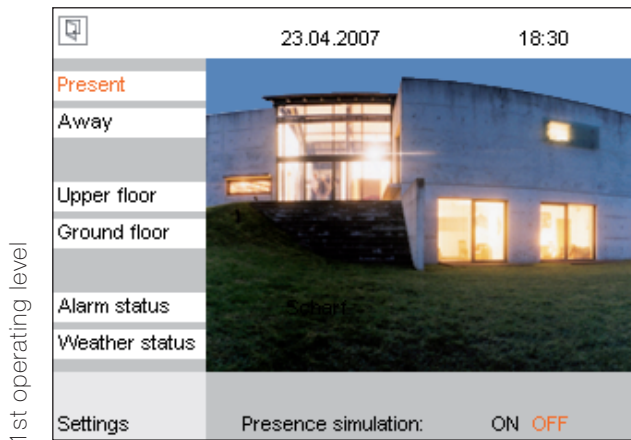
The room functions are depicted by means of symbols. The photograph is an indication that it is now possible to activate the facilities in Lena's room. The lighting can be dimmed here, the shutters can be activated and the room temperature can be read and changed.

Here, too the navigation elements to the other operating levels are implemented as standard.

<sup>1</sup> Only possible in conjunction with additional units.

# CALLING UP INFORMATION CENTRALLY

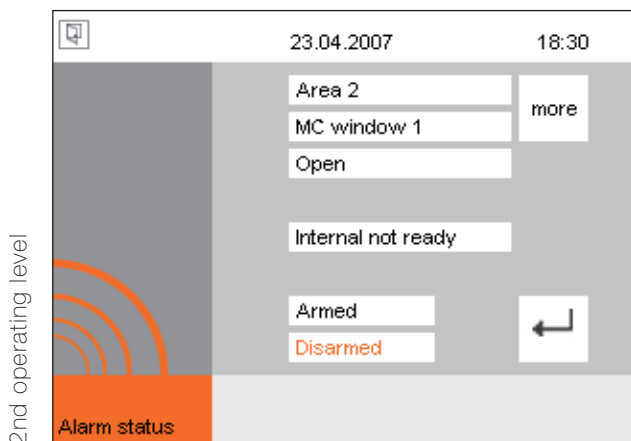
... STRUCTURED INTO OPERATING LEVELS, WITH GREATER USE OF SYMBOLS AND IMAGES.



## BUILDING

- Status displays

Central access to status information. From the start page it is also possible to call up directly the status displays for alarm states and weather data, as well as the page where the system settings can be modified. The status bar indicates the date and time, and a symbol for fault messages (in this case an open window).



## STATUS (alarm status)

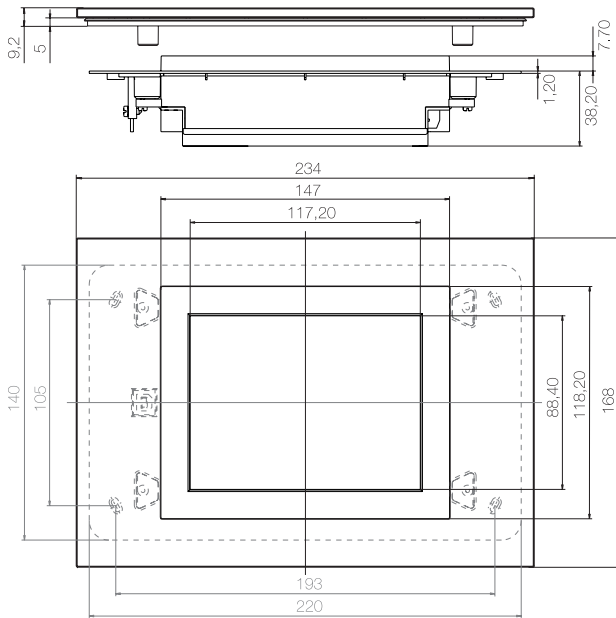
- Central functions
- Status displays

Reporting of a fault by the alarm system<sup>1</sup>. This is easy to notice thanks to an audible signal and a symbol in the status bar, or by displaying a new page. The alarm status documents the precise cause of the fault message. The entire alarm system can also be activated from this page. The display shows whether it is ready for operation, as well as any open windows, glass breakage, smoke or sabotage.

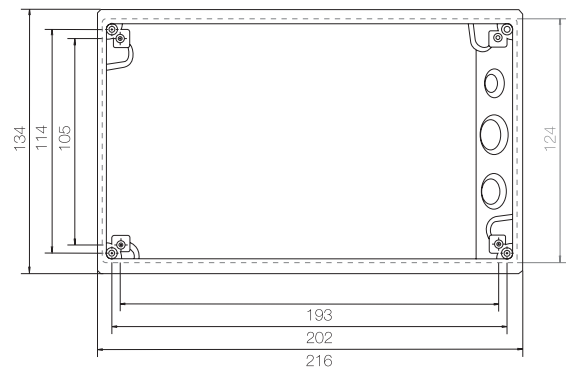
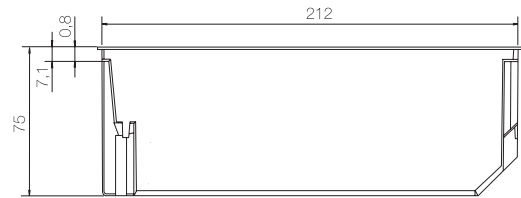
The entire project, including explanations, is available for download as a MT 701 ct service package at [www.berker.com/software-knx](http://www.berker.com/software-knx)

# TECHNICAL DETAILS

## SCALE DRAWINGS



MT 701 ct with frame



Flush-mounted housing

## TECHNICAL DATA

Bus voltage

21–32 V =

Supply voltage

230 V ~, 50/60 Hz

Display

TFT, illuminated

Size

5.7"

Resolution

320 x 240/240 x 320 pixels

Colours

4096

Graphics memory

approx. 4 MB

(for icons, background images in .jpg or .bmp format)

Connections

Bus line

Plug-in terminal

Supply voltage

Screw terminals, up to 2.5 mm<sup>2</sup>

Protection class

IP 20

Ambient temperature

Operation

-5 bis +45 °C

Storage/transport

-25 bis +70 °C

Dimensions (W x H x D)

without frame

221 x 141 x 46 mm

with frame

234 x 168 x 46 mm

Total depth, seated on wall

9.2 mm

Hole dimensions for flush-mounted housing

212 x 124 x 75 mm

## ACCESSORIES

Frame

glass, polar white

7594 01 01

stainless steel

7594 01 03

Housing, flush-mounted

7590 00 21

# SIMPLE AND VERSATILE

## AN EXTENSIVE RANGE OF FUNCTIONS

The MT 701 ct can be configured for the operation of practically any building function that is controlled using intelligent management systems, as well as for the visualisation of measurements and status information.

The functions in detail

- Switching, dimming, shutters and heating/cooling/ventilation
- Storage and retrieval of up to 24 light scenes with up to 32 outputs each
- Depiction of measured values
- Triggering of forced operation, in which the integrated loads are switched centrally like in a scene, and their control panels in the rooms are handled with lower priority (locked out)
- Selection of the operating mode for heating/climate control (comfort, standby, night, frost/heat protection)
- Implementation of complex functions such as value transmitter, text display, limit value monitoring, date/time
- Triggering of functions by the week time switch with 16 channels with 8 switching times each
- Activation of alarm functions and depiction of up to 50 fault messages
- Signalling of messages with an integrated piezo buzzer
- Configuration of up to 80 logic operations as a way to combine states and events to implement complex building functions
- Triggering of a reset and activation of the programming status using buttons on the rear of the unit

## INSTALLATION SIMPLE AS ALWAYS

The MT 701 ct is screwed into the time-proven flush-mounted housing (see accessories), which can be set into the wall either vertically or horizontally.

The functions described above for the mini tableau can be configured via a software plug-in with the ETS. This has to be done using a desktop PC or laptop connected to the MT 701 ct via the integrated USB interface.

## BERKER – THE RIGHT WAY.

Do you know how you can arrange your home more conveniently to suit your tastes? At Berker we have been working on this since 1919 – and we have found some very interesting answers. Berker switches and systems are in use all over the world, making life more beautiful, easier and more comfortable. We place the utmost emphasis on quality, design and innovation. This is confirmed by the numerous awards we have received both at home and abroad.

Berker is a leading supplier of high-quality electrical installations – from timelessly classic switch design through to intelligent building management systems. All new developments are created with just one thing in mind: the satisfaction of our customers. After all, we want you to feel at home with our products for decades to come.

Let your life be guided not only by your taste, but also by the latest state of the art, with Berker – the right way.



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