LCD-Color-Display, MicroVis C2

The LCD Display MicroVis C2 is used for operating, displaying, monitoring and reporting in EIB/KNX systems. It serves for visualisation and operation from a central spot of the building.
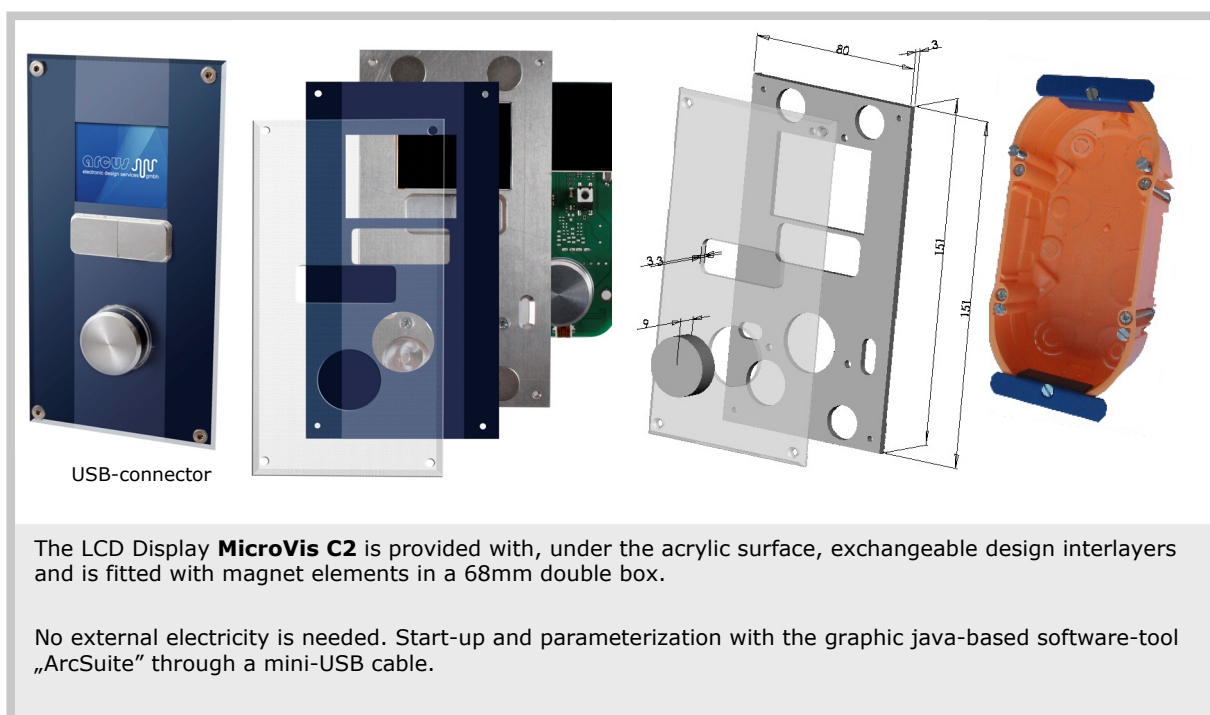
The design of the user-interface will be configured with the graphical software-tool ArcSuite. Menu navigation and page views can be freely arranged. Compiled projects are transferred by a standard USB connector to the device.

A rotary control button leads through the menu and allows not only to switch and dim but also to set up analogue values as e.g. temperature, brightness or volume. The two additional, freely programmable, push buttons can be used to support, within the menu navigation, direct switching, or to recall complete scenes.

Optional are integrated a temperature- and moisture-sensor (article 22211100).

MicroVis C2
Article-Nr.: 22210100 (without TF-Sensor)

MicroVis C2-TF
Article-Nr.: 22211100   (with TF- Sensor)

Areas of application

- Switching and Dimming of the lighting
- Display of the switching status in the house
- Switch-on, and -off of various devices
- Manipulation of jalousies
- Alarm functions, acoustical and optical, with text indicator
- Alarm display of motion detectors with text indicator
- Display and setting up of the heating control
- Title selection and volume adjustment in Multiroom-plants
- Display of outdoor and indoor temperature, time and date.
- Realisation of logic operations in KNX-Bus

USB-connector

The LCD Display **MicroVis C2** is provided with, under the acrylic surface, exchangeable design interlayers and is fitted with magnet elements in a 68mm double box.

No external electricity is needed. Start-up and parameterization with the graphic java-based software-tool „ArcSuite" through a mini-USB cable.

Arcus-EDS GmbH, Rigaer Str. 88, 10247 Berlin, Tel.: 0049/30/25933914, Fax.: 0049/30/25933915
info@arcus-eds.de   www.arcus-eds.de

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Software ArcSuite

- Java based PC-Software
- Disposable, Download www.arcus-eds.de
- LCD Display MicroVis II logic+ is programmable via USB-port

Hardware:

- 50 MHz ARM7-Processor (256kByte internal memory) for quick 32-Bit integeroperations and 64-Bit floating point calculations
- 128 kByte memory size for use e.g. 24 JPG-pictures for one project
- Piezo-signaler for alarm messages
- Rotary control button with detent for input and navigation + 2 additional freely programmable buttons

Graphic and Software:

- LCD-Color Display: 160x128 Pixel, BxH 37 x 30mm, 48mm
- Free design of page contents
- 32 elements can be defined free in size and position
- The number of pages is limited only by the internal memory space (128kByte),
- Different character fonts, font sizes, editable fonts
- Attachment of jpg-graphics as background picture, for representation or as control element
- Freely programmable surfaces and text elements
- Assignment of pictures as value elements, assignment of text as value elements
- Switch-key/push button, turning dimmer, value display, list display of values and text, horizontal and vertical value bars
- Value bars adjustable turning the rotary control button (number and size of steps adjustable)
- Programmable user functions (diagram), clock timer, Pin-code, scene-generator
- Extensive operating element (jalousie switch key)
- Optional integrated temperature and humidity recording
- Setting of system-values on the display (brightness, contrast, system-date, system-time, standby-time)
- Pages directly callable by the button (compilation of the menu), hiding of pages
- Display of HVAC-Icons
- Display of an actual page by alarm call
- Additional programming language Forth with extensive mathematic and logical components to generate independent elements

KNX-elements:

- Up to 128 group addresses through polling with start
- 17 EIS-types incl. 14byte ASCI-character string
- Listening group addresses
- Filtered acceptance of group addresses from the ETS
- Direct dimming function with rotary control button, dimming through stop telegram
- Buttons (1bit) as switch or key elements with stop telegram
- System time/system date
- Brightness, contrast and background lighting adjustable by KNX-object
- All EIS-types callable as acoustical or optical alarm function
- Acoustic alarm freely programmable

Affixing and Installation:

- Connection and supply: directly on the KNX-Bus, DC 24 V, ca. 17mA, no additional auxiliary supply necessary
- No Bus-Coupling necessary
- USB-port to transfer projects
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- USB-port to transfer projects
- Environment temperature: Storage -5...+60 °C, Operating -5...+55 °C
- Measurements: 150 mm x 80 mm
- Protection: IP 20

Delivery including USB-cable, mounting-angles und up-standard-double-box 68mm

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