LCD-Color-Display, MicroVis II logic+, DS01-C-xx

The LCD Display **MicroVis II logic+** 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 LCD Display **MicroVis II logic+** communicates with different devices of the modern electric installation via the KNX/EIB-bus.

The visualisation of the functions and the content of the pages can be configured completely free. So every installation can be arranged according to the customer's options.

A rotary control button leads through the menu and allows not only to switch easily but also to set up analogue values as e.g. temperature, brightness or volume.

Article Nr.: 200111xx
(x: 0=without panel; 3=with V2A-panel)
(x: 1=white; 2=anthracite)

MicroVis II logic+
anthracite
with V2A panel

MicroVis II logic+ white
with V2A panel

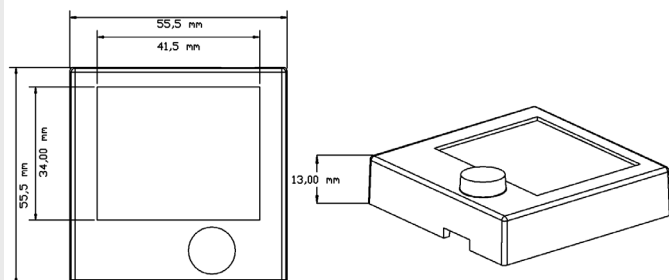DS01-C-xx
MicroVis II logic+

Areas of application:

- Switching and Dimming of the lighting
- **Display** of the switching status in the house
- Recording and recalling of light scenes
- Switch-on, and -off of various devices
- Manipulation of jalousies, also with extensive functions
- **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.**
- Direct recalling and setup of the internal **clock timer**
- Representation and recall of system-resident **JPG-pictures,** e.g. access control
- Protection of pages with **Pin-Code** (e.g. for the heating control)
- Display of the temperature run within the time using a **diagram** (Forth-program)
- Metering and display of the **cycle time** of the electric devices in bus
- Logical and/or functions

The LCD Display **MicroVis II logic+** is compatible with most series of switch programs (e.g. Gira, Jung, Merten in standard 55) and is mounted onto a standard box (60mm). The casing is provided with two springs and a supporting frame for flush-mounting. The casing is fitted to the suitable design frame and clicked into the box.

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

55,5 mm
41,5 mm
55,5 mm
34,00 mm
13,00 mm

Technical Data:

Software ArcSuite:
- Java based PC-Software for projection of the MicroVis II logic+, Download www.Arcus-EDS.de
- LCD Display MicroVis II logic+ is programmable via USB-port

Hardware:
- LCD-Color Display: 160x128 Pixel, BxH 37 x 30mm, 48mm diagonal
- 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
- Adjustable LED background lighting

Graphic and Software:
- 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 (31kB), more then 20 sites are possible
- Different character fonts, font sizes, editable fonts
- Attachment of jpg-graphics as background picture for representation elements
- 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)
- 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
- Setup of a freely definable Pincode to protect pages
- Display of HVAC-Icons (Heating, ventilation and air-conditioning Icons)

Special applications:
- With the additional programming language Forth can be generated independent elements
- Programmable day-, and week-clock timer, KNX-datapoints and arrangements can be recalled by the clocktimer
- Setup of a freely definable scene-generator with memory function in KNX-Modus, different KNX-datapoints can be recalled with a button with their respective values and be recorded
- About user functions can be generated independent objects, which are not provided as e.g. special switches, logical functions or graphical applications (diagrams)
- Extensive operating element (jalousie switch-key), every operating sequence can be associated to different group addresses
- Integrated temperature and humidity recording (only MicroVis II logic+ with additional module in standard 55mm)
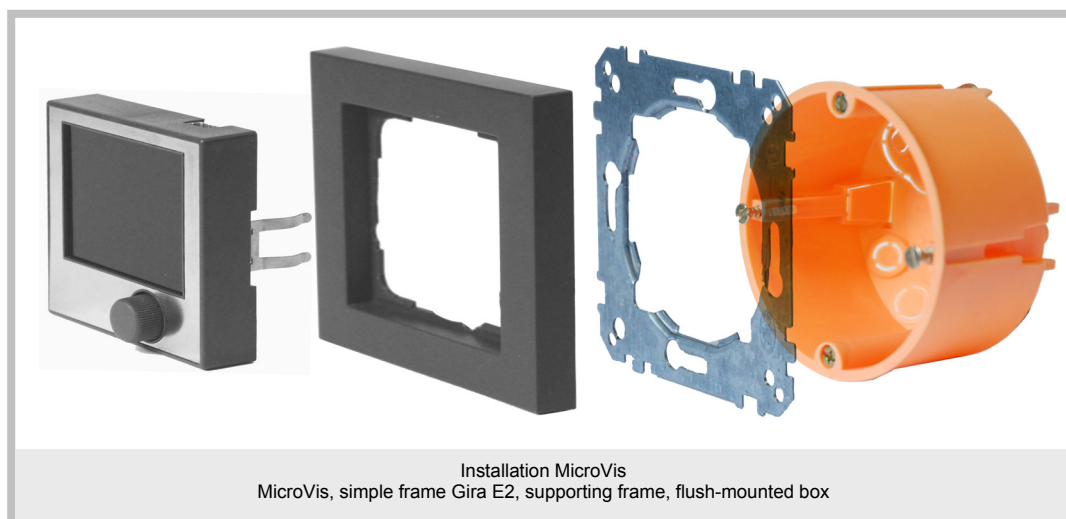- Alarms

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 alarm function
- Acoustic alarm freely programmable

Affixing:
- Connection and supply: directly on the KNX-Bus, DC 24 V, ca. 10mA, no additional auxiliary supply necessary
- No Bus-Coupling necessary
- USB-port on the side (covered by the design frame)
- Fittings to a standard flush-mounted box with a simple, or multiple frame of various switch-program manufacturers (not included in delivery)
- Environment temperature: Storage -5...+60 °C, Operating -5...+55 °C
- Measurements: W x H x D, 55 x 55 x 22 mm without design frame
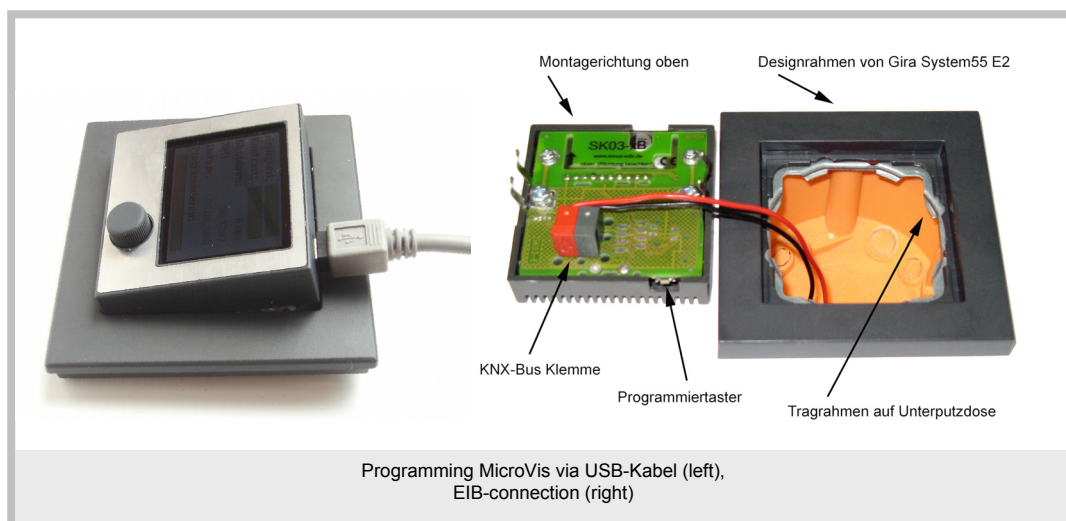- Protection: IP 20

Installation MicroVis

Installation MicroVis
MicroVis, simple frame Gira E2, supporting frame, flush-mounted box

The MicroVis is delivered with a supporting frame to fit on a 68 mm flush-mounted box, a USB-cable and a software-CD.

The MicroVis can be integrated in every switch program with 55 mm profile. Make an optic test of the combination of your preferred frame model with our MicroVis before fitting.

USB- and KNX- Connection

Programming MicroVis via USB-Kabel (left),
EIB-connection (right)

The -cable is stuck from underneath directly on to the circuit board with an KNX-clamp. The display can then be clicked into the box with the suitable single frame. To connect the USB-cable, pull the display lightly out of the socket from the upper side. It is not necessary to interrupt the KNX-connection.

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