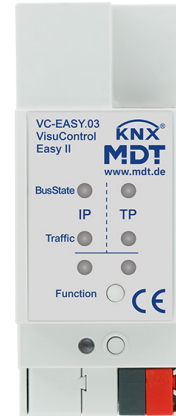**MDT**
**TECHNOLOGIES**

# Object Server VisuControl Easy II [VC-EASY.03]

For operating and visualising the KNX installation via Android or iOS app. „VisuControl II for KNX" is available in the Google Play Store and Apple App Store free of charge. Whether smartphone or tablet, the app automatically adapts to the format. The commissioning of the up to 200 functions is done conveniently and without additional software directly via the Engineering Tool Software (ETS). The integrated IP interface supports secure connections via KNX Secure and the connection between the app and the object server is encrypted. VPN support (iOS) enables secure operation even from outside the home network.

## Functions

Up to 200 functions can be selected from 10 function types:

- Type 1: Switch (General)
- Type 2: Light
- Type 3: Colour Control (RGB / HSV)
- Type 4: Blinds / Shutter
- Type 5: Room temperature
- Type 6: Scenes
- Type 7: Multimedia
- Type 8: Status
- Type 9: Other
- Type 10: Time switch

Functions are optionally assigned to rooms, zones or function groups. Thus, different types of functions - e.g. light, blinds and multimedia - can be displayed together in a room "Living room" or in the zone "Ground floor", or the entire lighting in the function group "Light". The individual operating concept is decisive here.

## Diagrams

A total of 8 data series can be recorded in the object server and displayed in the app. The data point type, the recording interval, the unit and the scaling of each diagram can be set. The data series can be displayed as a line or bar chart, for example to display a temperature curve or the amount of energy fed from a PV system.

## Connect the MDT time switch

Combined with a current MDT time switch from version .02 or (Glass) Central Operating Unit Smart 86, existing switching times can be conveniently adjusted and new switching times can be added directly in the app.

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**1** / 3

State 06/2023

## Webcams

The images of up to 4 webcams can be displayed in the app. The refresh rate is adjustable.

## Weather data

The data provided via the KNX bus - outdoor temperature, wind speed and brightness - for example from the "MDT Weather Station Home", can be displayed in the visualisation, as well as the alarms from rain and wind.

## IP interface with KNX Secure and time server

The MDT object server VisuControl Easy II can be used as a secure programming interface, with up to 4 parallel KNX tunneling connections. The time and date can be made available to the devices connected to the KNX bus from an NTP server.

## E-mail functions

Status changes, bit alarms, 14-byte text alarms and status reports can be sent automatically by the object server to up to 3 e-mail recipients. For example, the collected status of up to 30 individual elements can be sent weekly, or on a certain day of the month, as a status report in a single e-mail. Bit alarms can send faults in the heating system or wallbox, for example.

## Status logic

A status logic links up to ten 1-bit input objects logically and displays the result in the app. The logic function can be AND, OR, NAND, NOR. This allows, for example, the status of all window contacts per floor to be grouped and visualised.

## Updateable via web interface

If necessary, the MDT object server VisuControl Easy II can be updated via the web interface.

## Long Frame Support

The MDT Object Server VisuControl Easy II supports "Long Frames" (longer telegrams). These contain more user data per telegram, which significantly reduces the programming time with the ETS.

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**2** / 3

State 06/2023

# Functional overview

## Example images

The demo mode of the free "VisuControl II for KNX" app explains the operating concept.