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IP Control Center Firmware V4

Display and operation of KNX systems via web visualization

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KNX

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For more comfort

IP Control Center is a compact visualization controller that enables intuitive operation and display of KNX devices on individually configurable, fully graphical user interface. Fast and efficient smart visualization for mobile devices such as smartphones and tablets can also be created. This way, all facilities can be visualized and operated centrally. For the comprehensive building and room functions, up to 1,250 KNX objects or group addresses are available. A connection manager has been integrated with the new firmware version V4, which serves to manage editors. Moreover, IP Control Center settings can be conveniently adjusted via a central configuration page. Control tasks, as applicable in small and medium-sized functional buildings, can be carried out using numerous powerful application modules. It is also possible to send messages with the registered data from the modules by e-mail. A KNX interface is integrated for project planning with the ETS and access to a KNX system.

For more security

To protect your KNX system from outside access and manipulation, numerous security measures have been implemented. The IP Control Center supports encrypted HTTPS connections over which data is transferred securely between the IP Control Center and the browser on the display device. Additionally, website retrieval is authenticated by a security certificate.

Furthermore, password protection has been changed to meet the guidelines for top security in authentication. It can be deactivated on a local room display when starting a visualization, but it is always active for remote access (for example, via tablet or smartphone).

Highlights

Changes in the concept:

- Central configuration page
- Connection manager for easy management of the editors

New functions:

- Presence simulation within the timer program
- Additional scenario and timer configuration by the user
- Control of SONOS speakers and Philips HUE light system

New security measures:

- Highest level of security with encrypted data transfer via HTTPS
- Additional password protection

New application modules

The IP Control Center application modules were updated in the framework of firmware V4 with important management functions and interfaces.

Application module for more functionality

With the **timer function**, the lighting is controlled depending on the time and day of the week without manual operation. Likewise, sunshades are opened and closed at sunrise and sunset. This guarantees maximum comfort in the room through complete automation based on individual needs.

The **scenario module** offers maximum comfort in that an individually configured room setting (for example, comfort temperature within a specific lighting level/ shading position) can be activated by just a push of a button. At the same time, an individual room setting can be saved as a scenario. To create a specific room atmosphere, delayed sequence control ensures a pleasant atmosphere.

Along with the control of heating, ventilation, lighting and sun protection, **IP-based devices** such as projectors, receivers, audio/video, etc. can be equally integrated in room automation via KNX.

The **alarm module** allows for visual and acoustic alarm notifications with a date and time stamp via push notifications, which can be e-mailed to multiple recipients. All registered alarm notifications are recorded and can be forwarded as an e-mail attachment.

Furthermore, logged data, for example weather data or consumption levels, can be sent to up to 20 contacts using the **e-mail function**. Editing is possible using a spreadsheet program.

Using the fully graphical **logic module** up to 1,000 logic functions to control building functions can be planned by drag and drop.

To optimize energy costs, consumption levels can be registered, evaluated, and presented graphically in diagrams in the **chart module**. Corresponding energy savings measures can be derived from this.

The **monitoring module** serves as a service tool for the system integrator or system operator. The relevant commands from the KNX system are logged and thus contribute to efficient error diagnostics and trouble-shooting.

New application modules in firmware V4

- The **data point management** module provides important support with planning the KNX system. With extensive search and filter functions, it is used for clear display, management, editing and categorization of all available data points.
- The interfaces for **SONOS speakers** and **Philips HUE** enable the control of both music playback and the light system through room automation with KNX.
- For more security, a **simple presence simulation** within the timer function provides preventive burglary protection.

All the important information at a glance

Product features

IP Control Center N 152

- For communication between KNX devices and PCs and in connection with a LAN/WLAN modem or DSL router, for remote access to a KNX installation
- For use as an interface for the ETS and as an interface for visualization
- Use of the KNXnet/IP protocol
- The following functions can be used at the same time: as a web serve to operate and observe up to 1,250 statuses and values transferred via the KNX network, which can be displayed on PCs, tablets, smartphones connected to the IP network using a standard browser
- Central configuration page to manage all IP Control Center settings
- Graphical web editor to create fully graphical visualizations with operation and display elements, which can be developed in various styles
- Smart editor to create a visualization compatible with mobile browsers and smartphones with operation and display elements, which can be developed in various styles and layouts
- Display of online content
- Ethernet interface 10/100 Mbits/s with an RJ45 jack for connection to the IP network using the Internet protocol
- 2 LED displays for IP connection/communication and for error notifications
- Integrated bus coupler and bus terminal to connect to a KNX network
- Power supply to the electronics via an external power source for AC/DC 24 V and at least 1.2 W
- Connection of the external power source via a low-voltage terminal
- Top hat rail for assembly on mounting rails TH35 DIN EN 60715
- Maximum width 4 DU (1 DU = 18 mm)

Application module

- Seasonal timer with astronomic timer function for 300 schedules with up to 30 timer commands per schedule
- Scenario module with up to 5,000 scenarios or events
- Fully graphical logic module with up to 1,000 logic functions
- Chart module to record data and displays in curve and bar charts
- Monitoring module to monitor and save up to 1,000 events in a ring buffer
- Data point management for display, management, editing and categorization of all available data points
- Alarm function for up to 250 different alarms
- E-mail function with up to 20 contacts
- Integration and display of IP cameras
- Control of up to 20 IP devices such as projector, router, audio/video, heating systems, via TCP/UDP commands
- Control of SONOS speakers
- Control of Philips HUE LED light system

Selection and catalog information

Type	Model	Catalog no.	PU (unit, set, M)	PKG/VPE	PG	Price (€)
N 152	IP Control Center	5WG1 152-1AB01				

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