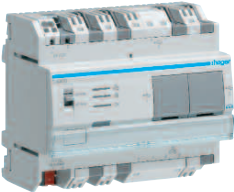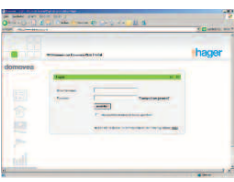**Features:**
The tebis KNX domovea visualisation and control system connects the tebis KNX bus system with the IP world. This is provided by a server with modular design, which sits invisibly on the distribution board where it works silently and energy efficiently. All the data on the server can be accessed from any connected Windows® compatible client - whether it be a conventional PC, notebook or wall-mounted Touch Panel. The same functionality can be used as a software solution, without any hardware. Worldwide access is ensured via the Hager Portal.

**Advantages:**
- Server in modular form or as a software solution
- Able to be updated via USB interfaces
- Intuitive user interface for display and control of:
  - Lighting
  - Blinds and roller shutters
  - Heating control
- Graphic display of energy consumption
- Connection of IP cameras
- Integrated logic and sequence module
- Worldwide access via the domovea Internet portal (www.domovea.com)
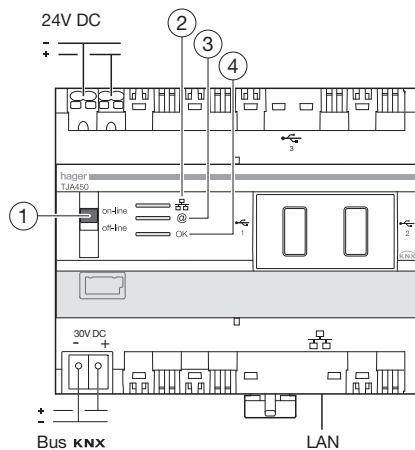- iPhone App for local or remote use.

| | Description | Characteristics | Width in 17.5mm | Cat. ref. |
|---|---|---|---|---|
| TJA450 | **domovea server incl. software** | - Power supply: 24 V DC<br>- Connections:<br>- KNX connectors<br>- 3x USB 2.0, Type A Jack<br>- RJ45 Connection<br>- **quick**connect Q<br>- Configuration software and client on supplied USB memory stick | 6 | **TJA450** |
| | **domovea system package**<br>For installation of domovea in a KNX/IP environment | Consisting of:<br>- TJA450 domovea server with remote access<br>- TGA200 power supply | | **TJA451** |
| TJ701A | **domovea software server with USB/KNX interface** | - domovea system software solution for installation on a Windows® compatible PC<br>- KNX/USB interface with integrated license key<br>- Server, configurations and client software on the supplied USB memory stick<br>- USB Connection cable, 1 m | | **TJ701A** |
| TJ550 | **domovea remote access**<br>Remote access to the domovea server via the secure Hager Internet portal (www.domovea.com) | License key supplied on a USB memory stick<br>- The possibility to access the KNX project externally using an Internet browser or domovea iPhone App (not included in the supply) | | **TJ550** |

:hager

| Description | Characteristics | Width in ▮ 17.5mm | Cat. ref. |
|---|---|---|---|
| **Voltage supply 24 V DC** | - Power supply: 230 V AC, 50 Hz<br>- Output voltage: 24 V DC<br>- Output current: 1.0 A<br>- 4 PLE | 4 | **TGA200** |
| **iPhone-App** | The iPhone-App can be found using the search term domovea and downloaded from the Apple App Store. | | Available on the iPhone **App Store** |
| **iPad-App** | The iPad-App can be found using the search term domovea and downloaded from the Apple App Store. | | Available on the iPhone **App Store** |
| **Android-App** | The Android-App can be downloaded from the Android Market | **Purchase via Android Market** | |

TGA200

## TJA450 connection diagram



| | LED status | Meaning | Fault clearance |
|---|---|---|---|
| ② | Not lit | No network connection | Connect network cable |
| | Red, continuous | IP address conflict | Check the IP addresses use on the network |
| | Green, flashing | Waiting for IP address from DHCP server | - |
| | Green, continuous | IP address found | - |
| @ ③ | Not lit | No network connection | Connect network cable |
| | Red, continuous | Portal not accessible or access denied | Check Internet connection |
| | Green, flashing | Connecting to portal | - |
| | Green, continuous | Portal connection established | - |
| OK ④ | Red, flashing | Power supply problem | Check the power supply |
| | Red, continuous | Defective device | Notify Hager technical support |
| | Green, flashing | domovea server starting | - |
| | Green, continuous | domovea server ready for use | - |

## TJA450 technical data

| Reference | TJA450 |
|---|---|
| KNX Connection | KNX-Bus 30 V DC |
| Auxiliary voltage | 24 V DC (TBTS, SELV, ZLVS ) |
| Power from the bus | 10 mA max., 30 V DC |
| Power from the auxiliary voltage supply | 150 mA max., 24 VDC |
| Ethernet network | 100 BaseT (100 Mbit/s) |
| Bus connections | 0.6 - 0.8 mm$^2$ |
| Power supply connection | 0.75 - 2.5 mm$^2$ |
| Ethernet/IP network connection | RJ 45 |
| Operating temperature | 0° C —> +45° C |
| Storage temperature | -20° C —> +70° C |
| Protection rating | IP20 |
| Dimensions (1 PLE = 17,5 mm) | 6 PLE |

**System requirements:**
- Microsoft® Windows® XP/Vista/Windows 7/Windows Media Center
- Pentium processor with at least 600 MHz or equivalent
- At least 128 MB RAM, recommended 256 MB or greater
- VGA graphics card with at least 16 Bit colour depth (High Color) and a resolution of 1024 x 768 pixels
- Minimum available hard drive memory of 500 MB
- CD/DVD drive or network adapter

**Capacity of functions:**
- 100 groups (sections of buildings, rooms, areas, etc.)
- 500 devices (e.g. for lighting, blinds and sensors, etc.)
- 10 IP cameras (selected from a specified manufacturers' list)
- 50 sequences
- 30 Clients (Profile)
- Image memory for groups and devices, max. 20 MB

## TGA200 technical data

| Reference | TGA200 |
|---|---|
| Dimensions (1 PLE = 17.5 mm) | 4 PLE |
| Supply voltage | 230 V AC 50/60 Hz |
| Dissipation max. | 3.6 W |
| KNX system voltage | 24 V DC, 1A |
| Number of outputs | 4 PLE |
| Measurement current | |
| Mains failure buffering | |
| Connection Mains power supply flexible solid | Connectors 0.75 - 2.5 mm$^2$ 0.75 - 2.5 mm$^2$ |
| Bus | |
| Display/operation Operating indicator Overvoltage indicator Reset indicator Reset button | LED (Green) LED (Red) LED (Red) |
| Ambient temperature Storage Operation | -20°C to +70°C 0°C to +45°C |

## TGA200 Power supply