



**KD300**

**Description**

The KD300 display and control panel is a device from the Giacoklima series, designed for use in Giacomini systems for floor or wall-fitted radiant heating and/or cooling technology combined with the KM203 control and supervision unit, K481 or K483 environment thermostats, the KPM20 unit and other communicating devices with compatible protocols.

The KD300 display device is a terminal designed for centralising, viewing and control functions, and can only be used in combination with the KM203 controller which represents the local interface. The KD300 is equipped with a graphic panel sensitive to touch; touchscreen: with a simple stroke of the surface of the panel, users can navigate the menus and access all of the system functions. The number of areas and the type of information managed by the system are controlled by the KM203 control and supervision unit.

**Main characteristics**

- Installation of GEWISS GW 24237 wall-mounted recessed box
- Safe low-voltage power supply (SELV) from KM203 control and supervision unit
- 1 RS485 input for connection to KM203 control and supervision unit
- Touch-sensitive graphic panel, with 320x240 pixel matrix, resistive-type touchscreen, dimensions 3,5", black and white.

**Functions**

The KD300 graphic panel allows user to manage the following system functions centrally:

- Centralised switchover of SUMMER/WINTER operation mode for all connected devices (max 32 devices)
- View, edit and set the desired temperature and centralised recall attenuation of a maximum of 16 K481 or K483 environment thermostats or K485 blind probes, connected to the Giacoklima system bus.
- Insert and modify events for 4 programme schedules on a weekly basis (CRONO), using the KM203 controller
- View and edit analogue maintenance parameters, to be configured according to the system (maximum of 18 analogue parameters)
- View digital maintenance parameters, to be configured according to the system (maximum of 18 digital parameters)

The KD300 graphic panel also incorporates the following functions:

- Date and time settings through the KM203 controller
- User customisation of the name given to the area controlled by a given environment thermostat
- Multilingual support for the menu options. The languages provided are ITALIAN, ENGLISH, SPANISH and PORTUGUESE
- Setting of display contrast - choose from 5 pre-defined values
- Setting of backlight timer - choose from one of 4 values: backlight always on, backlight switches off 30 seconds after last use, 1 minute after last use, and 2 minutes

**Signal control elements**

All the control and signal elements are operated using a touchscreen, and can be activated by touching the relevant area of the display: see the control panel User Manual for a description of the navigation menus and available functions.

The display is organized across the top of the device, with a fixed band, and on the left side containing the menu bar, which is always active, with a maximum of 4 menu functions depending which screen your are using. The central pane is dedicated to the area variables: the setting buttons allow the user to vary the parameters set.

When the KD300 is switched on, the synchronisation of the configuration with the KM203 controller takes place: This operation lasts 20-30 seconds and can be viewed on a progress bar which is updated constantly until the operation is complete. If no communication with the KM203 controller takes place, the configuration phase is not completed.

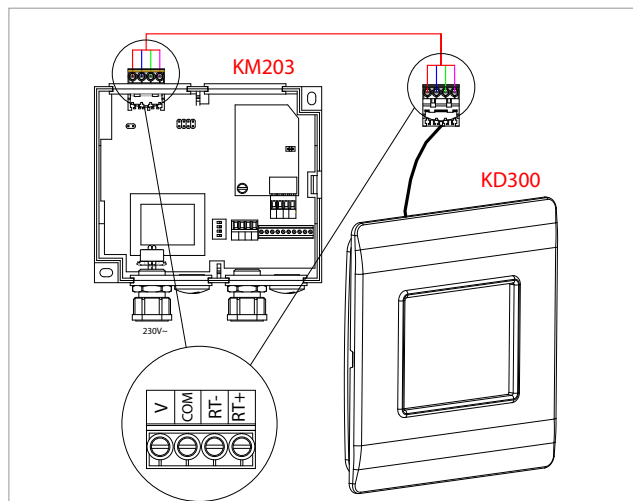


**Warning.**

Ensure that the electric connections with the KM203 control and supervision unit are carried out correctly. In addition, ensure that the synchronisation phase which occurs after the device is switched on is completed. If the synchronisation is not completed it will not be possible to use the KD300 to view the information and to manage the system centrally.

**Electric connections**

On the rear of the KD300 panel, there is a 4-pole polarised removable terminal, which should be used to carry out the connection with the KM203 control and supervision unit: through the RS485-type interface, the exchange of data and transfer of power to the device takes place. The maximum length of the connection cable is 1000 m when a protected cable is used. It is advisable to use a 4-pole protected cable with a minimum 0,25 mm<sup>2</sup> (23 AWG) section per conductor.



Terminal	Description
RT+	RS485 serial interface TX transmission terminal
RT-	RS485 serial interface RX reception terminal
Com	RS485 serial interface Common terminal
V	RS485 serial interface Device power supply terminal



**Warning.**

Ensure that the power supply to the KM203 control and supervision unit is suspended while connections are being carried out.

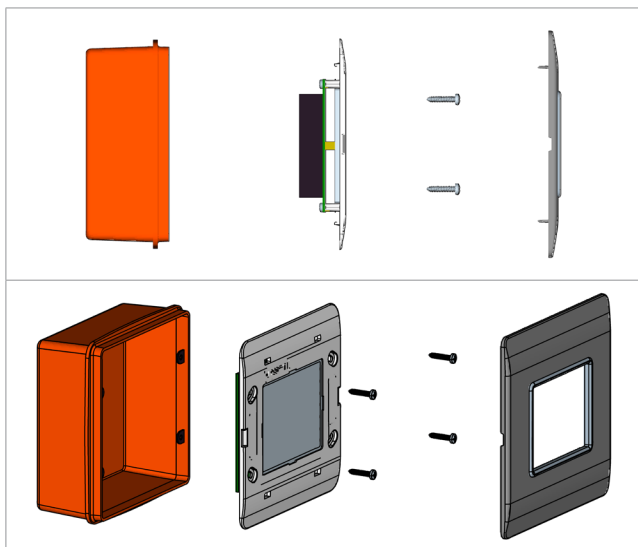


**Installation**

The KD300 touch-screen panel is a device designed to be used with a wall-mounted recessed box; the shell is equipped with slotted holes for fixing in place. It is advisable to use the high-capacity K489DY003 box for modular 8-place (4+4) domestic series (Gewiss GW 24237).

The external dimensions of the recessed box (LxHxP) are: 131x129x53 mm.

The 4-pole terminal is positioned at the back of the device and can be removed for connection with the KM203 controller.



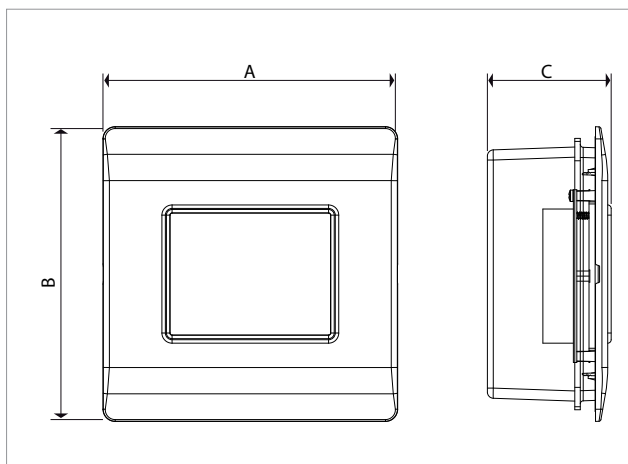
To mount the device to the recessed box:

- 1- Prepare the cable for connection to the KM203 controller inside the recessed box (unsheathing removes approx. 10 mm, 4 conductors stripping approx. 4 mm) and attach it to the detachable part of the 4-pole terminal
- 2- Insert the detachable part of the terminal to the fixed part which is located on the rear of the device
3. Position the shell of the panel on the recessed-mounting box, insert the 4 fixing screws provided into the holes on the box and tighten;
4. Using the slotted holes, adjust the horizontal alignment of the panel;
- 5- Position the cover plate on the frame of the panel and slot into position.

**Technical data**

<b>Product code</b>	KD300Y001
<b>Power supply</b>	5 V, 0,2 A max, SELV (Safety Extra Low Voltage) from KM203 control and supervision unit via bus connection
<b>Communication port</b>	Connection to KM203 control and supervision unit, RS485 serial type, 19200 baud
<b>Display</b>	Dimensions 3,5", black and white, graphics with 320x240 pixel matrix and adjustable timed backlight
<b>Keypad</b>	Tactile, touchscreen type, with resistive matrix integrated into the display
<b>Protection degree</b>	IP30 (IEC529)
<b>Environmental operating conditions</b>	0 ... 50 °C 10÷90 % R.H. without condensation
<b>Environmental storage conditions</b>	-20 ... 70 °C 10÷90 % R.H. without condensation
<b>Dimensions (AxBxC)</b>	145x145x60 mm. Display area dimensions 79x60 mm
<b>Installation</b>	Installation of GEWISS GW 24 237 wall-mounted recessed box fixing to the GEWISS box with 4 screws provided

**Dimensions**



**Product specifications**

**KD300**

3,5" unit display touchscreen, for viewing system variables and setting scheduled programmes, for a maximum of 16 zones. To be used in combination with KM203 series control and supervision unit. Options available: set scheduled programmes; activate summer-winter switchover for the entire thermoregulation system; personalise the names of the zones in question; diagnose system faults and tune operational parameters; navigation menu in Italian or English. To be completed with K489D recessed box. CE marked.

**Additional information**

For further information, visit the website [www.giacomini.com](http://www.giacomini.com) or contact the technical service: ☎ +39 0322 923372 📞 +39 0322 923255 ✉ [consulenza.prodotti@giacomini.com](mailto:consulenza.prodotti@giacomini.com)  
 This information is intended as an example. Giacomini S.p.A. reserves the right to modify the contents - at any time and without prior warning - for technical or commercial reasons. The information in this technical sheet does not exempt the user from scrupulously observing the existing regulations and standards relating to good technical practices. Giacomini S.p.A. Via per Alzo, 39 - 28017 San Maurizio d'Opaglio (NO) Italy