

Mounting and operating instructions

Product	DELTA profil		DELTA ambiente		DELTA style	
USB Interface 	pearl grey titanium white anthracite silver	5WG1 146-2EB01 5WG1 146-2EB11 5WG1 146-2EB21 5WG1 146-2EB71	arctic white cosmos grey royal blue	5WG1 142-2EB01 5WG1 142-2EB11 5WG1 142-2EB21	titanium white	5WG1 146-2EB11
Frame	To be ordered separately from the DELTA range					
	cut-out frames					
Tier frame						titanium white 5TG1 1328
Bus coupling unit	UP 110; UP 114					

Product and Applications Description

The USB interface enables with its built-in USB socket (Type B) a personal computer (AT compatible PC) to be attached for addressing, parameterising, visualising, logging and diagnosis of bus devices.

With the USB interface it is possible to operate all bus devices isolated and under observation of the standardised EIB protocol in the whole bus system.

Communication with the BCU is carried out using one of two protocols, standard protocol or FT1.2 protocol, the switching is done by the connected PC and depends on the used BCU. The USB interface is compatible to USB 1.1, the transmission rate between the PC and the interface is therefore up to 12 Mbit/s.

The connection of the USB interface and the PC is arranged between the USB socket of the USB interface and any USB socket of the PC or a connected USB hub.

The required USB cable is not part of the shipment but has to be bought separately, e.g. at an authorised computer store. The interface is slid onto the bus coupling unit UP together with its frame. It requires a bus coupling unit to work properly.

It is possible e.g. to remove a UP push button from its bus coupling unit UP and replace it with an interface UP. This does not destroy the application program of the bus coupling unit UP. The bus coupling unit UP and frame are not included and therefore have to be ordered separately. Cut-out frames should be used for DELTA profil.

Note:

The USB interface is supported by ETS only from ETS3 onwards!

Additional Information

<http://www.siemens.com/gamma>

Technical Specifications

Power supply

via bus coupling unit UP and via USB from the connected PC

Transmission rate

- between PC and USB interface:
USB1.1 speed (max. 12 MBit/s)
- between USB interface and bus coupling unit:
9600 (standard protocol) or 19200 Baud (FT1.2 protocol), depending on the used BCU and PC program
- between USB interface and bus line:
9600 Baud

Connection cable

available from authorised computer stores
(normal USB cable for PC peripherals with AB plug)

Connections

- 10-pin connector (PEI): for connection to a bus coupling unit UP
- USB socket type B
length of data cable: max. 5 m

Physical specifications

- dimensions (L x W x D):
- DELTA profil, DELTA ambiente, DELTA style:
65 x 65 x 42 mm (without PEI)
- weight: approx. 65 g

Electrical safety

- protection (according to EN 60529): IP 20

Environmental specifications

- ambient temperature operating: - 5 ... + 45 °C
- storage temperature: - 25 ... + 70 °C
- relative humidity (non-condensing): 5 % to 93 %

Location and Function of the Display and Operator Elements

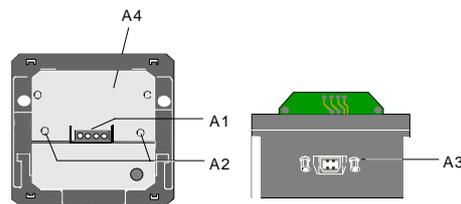


Diagram 1: Main module and supporting plate

- A1 Socket connector
- A2 Mounting screws
- A3 9-pin interface (SUB-D socket)
- A4 Base module

Installation Instructions

The device may be used for permanent interior installations in dry locations within box mounts (in combination with a bus coupling unit UP).

⚠ WARNING

- The device must be mounted and commissioned by an authorised electrician.
- The device must not be mounted in box mounts together with 230 V devices.
- The device may be mounted to switch and socket combination box mounts (together with a bus coupling unit UP) if VDE-certified devices are used exclusively.
- The prevailing safety rules must be heeded.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.

Mounting and Wiring

General description

The interface is slid onto the bus coupling unit UP together with its frame.

The UP bus coupling unit is mounted and connected to the UP box mount (see mounting instructions of bus coupling unit UP). Sequence of assembly

- The base module (B5) is slid together with the frames (B4/B9) onto the bus coupling unit UP (B1).
- Drive the mounting screws (B3) into (B1).
- Mount the supporting panel (B6) onto the base module (B5).
- Snap on the cover (B8).
- The cover of the note label (B7) can be removed by meshing into the recesses on its side faces if a note shall be applied.

Dismounting

- Seize the cover (B8) on both sides and remove it by sliding it upwards.
- Loosen the screws (B3) and remove (B5) from (B1).

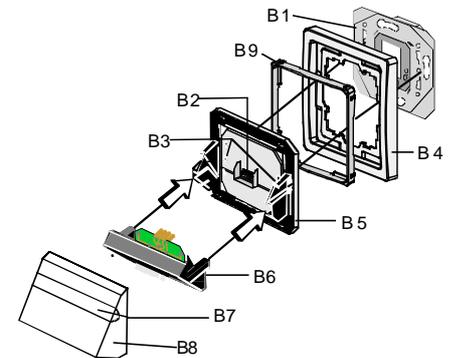


Diagram 2: Mounting the USB interface

- B1 Bus coupling unit UP
- B2 Socket connector *)
- B3 Mounting screws *)
- B4 Frame
- B5 Base module *)
- B6 Supporting panel *)
- B7 Note label *)
- B8 Cover *)
- B9 Tier frame (style)

*) Scope of supply

General Notes

- Any faulty devices should be returned to the local Siemens office.
- If you have further questions about the product, please contact our Technical Support:

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🌐 www.siemens.com/automation/support-request