SIEMENS

(GB) CE

Display and	**5WG1 584-2AB_1**
control unit	**5WG1 585-2AB_1**
UP 584/585/586	**5WG1 586-2AB_1**

Issued: September 2004

Operating and installation instructions

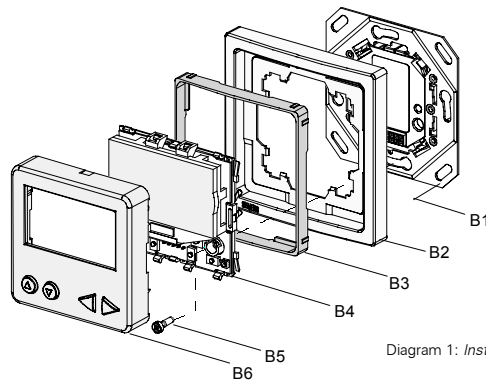|	DELTA profil	DELTA ambiente	DELTA style
Display and control panel	5WG1 585-2AB01 pearl grey 5WG1 585-2AB11 titanium white 5WG1 585-2AB21 anthracite 5WG1 585-2AB71 silver	5WG1 586-2AB01 arctic white	5WG1 584-2AB21 basalt black 5WG1 585-2AB11 titanium white
Intermediate frame	-	-	5TG1 328 titanium white 5TG1 368 basalt black
Frame	Must be ordered separately from the DELTA ranges		

B1. Driver with bus connection
B2. Frame
B3. Intermediate frame (only for DELTA style)
B4. Display unit
B5. Screws for fixing the display unit onto the driver B1
B6. Cover

Scope of supply:
(e.g. order no.: 5WG1 585-2AB01)
B1. Driver with bus connection
B4. Display unit
B5. Screws for fixing the display unit onto the driver B1
B6. Cover

Diagram 1: *Installation of the display unit*

Product and functional description

The display unit is used to indicate freely programmable messages. A message generally consists of read-only text and placeholders.
The display unit can be freely configured with different fonts, characters and symbols. Depending on the parameter settings, it is possible to assign alarm functions to the messages. The display is carried out via a graphical LC display. If Arial font is used in 12 pt, 5 lines can be displayed. The LC display contains green/yellow backlighting which can be switched on and off via software. The output of an alarm tone can also be set. The various messages can be selected by pressing the two push buttons on the display unit. It is also possible to operate selectable bus functions with two further push buttons.

The display unit is placed on the bus driver module together with the relevant frame. It can only function in connection with this bus driver module and an appropriate application program i.e. the display unit consists of the device [hardware] and the application program [software].

The frames are not included with supply and must be ordered separately. The intermediate frame should be used for DELTA style.

With the help of ETS (*EIB* Tool Software), the application programs can be selected and the specific parameters and addresses can be assigned.

Further Information

http://www.siemens.com/gamma

Technical data

Power supply
Via the bus line

Number of messages
16 (freely selectable)

Number of characters per message
- Up to 30 characters per line depending on the font
- Up to 3 lines

Alarm functions
- Priority display of alarm messages
- Optical display (flashing)
- Acoustic signal (signal tone)
- Acoustic feedback via push button action

Connections
- EIB bus terminal

Mechanical data
- Dimensions (L x W x D):
- Display unit UP 584, UP 585, UP 586:
  65 x 65 x 20 mm (without spring)
  65 x 65 x 33 mm (including spring)
- Driver: 71 x 71 x 16 mm
- Weight: approx. 100 g

Electrical safety
- Type of protection (according to EN 60529): IP 20

Environmental conditions
- Ambient operating temperature: - 5 ... + 45 °C
- Storage temperature: - 25 ... + 70 °C
- Relative humidity [not condensing]: 5 % to 93 %

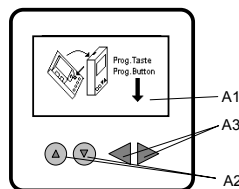**Location and function of the operating elements**

Diagram 2: *Location of the display and operating elements*

A1   LC display (LCD) for indicating the messages
A2   Push buttons for scrolling through the lines (UP / DOWN)
A3   Push buttons for controlling the selectable bus functions

Installation instructions

- The device can be used for permanent interior installations in dry rooms and for insertion in flush-type boxes.

⚠ **WARNING**

- The device must be mounted and commissioned by an authorised electrician.
- The device may not be used in the same box as 230 V devices and/or 230 V cables.
- The device may be used in switch sockets provided that VDE approved devices are used.
- The prevailing safety and accident regulations must be observed.
- The device must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.

Installation of the driver

General description
The display unit is placed on the driver together with the relevant frame.
The driver with bus connection is inserted in boxes of 60 mm ∅ using screw fixing.
The connection to the bus line is carried out via plug-in screwless terminals for single-core conductors.

The driver with bus connection should be mounted so that the interface is located at the bottom (Diagram 3).
This ensures that the display unit that is connected to the interface is mounted in the correct operational position.

Diagram 3: *Installation of the driver with bus connection*

C1   Installation box (60 mm ∅ according to DIN 49073)
C2   Slots for fixing
C3   Driver with bus connection
C4   Interface
C5   Fixing screws

Bus terminal (Diagram 4)
The bus terminal (D2) is located at the rear of the driver.

Connecting the bus cable (Diagram 4)
– The bus terminal (D2) is suitable for single-core conductors with 0.6 ... 0.8 mm ∅.
– The bus terminal (terminal block) (D2) consists of two components (D2.1, D2.2), each with four terminal contacts, Diagram 7.

– Strip the insulation from the conductor (D3) and place in the terminal (D2) (red = +, grey = -).
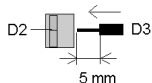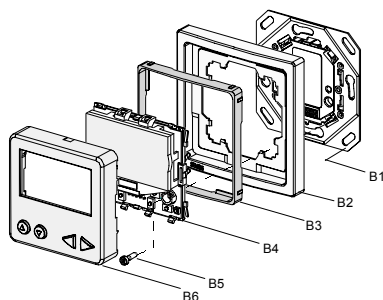

Diagram 4: *Connecting the bus cable*

Installation of the display

B1   Driver with bus connection
B2   Frames
B3   Intermediate frame (only for DELTA vita)
B4   Display unit
B5   Screws for fixing the display unit onto the driver B1
B6   Cover

- Place the display unit (B4) with B6 and the relevant frame (B2) onto the driver (B1).
- Remove the cover (B6) from the display unit as described under 'Dismantling' in order to program the physical address.
- Secure the display unit (B4) with the two screws (B5).
- Now program the physical address.
  The location of the programming button and the programming LED is indicated in Diagram 5.
- Remove the protective film from the LC display, Diagram 6c.
- Place the cover (B6) on the display unit again (B4).

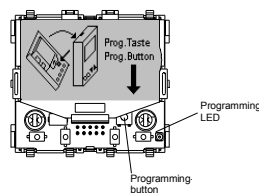### Location of the programming button and programming LED

Diagram 5: *Location of the programming button and LED is also indicated on a non-configured LCD if bus voltage has been applied*

Dismantling

- Remove the cover as described in Diagram 6a or 6b.

Caution:
Do not touch any components apart from the programming button (Diagram 6) as damage could otherwise be caused.

- Loosen the fixing screws (B5).
- Place the cover (B6) back on the display unit (B4).
- Remove the frame (B2) together with the display unit from the driver.
- Loosen the screws of the driver in the flush-type box (Diagram 3).
- Separate the bus driver module from the bus cable (Diagram 7).

Removing the cover (Diagram 6a and 6b)

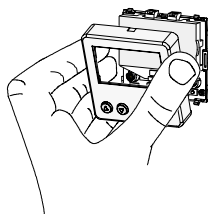Variant 1:   Gently press the sides of the cover together and tilt.

Diagram 6a: *Variant 1*

Variant 2:   The cover has an opening at the top in the centre for removal.
Place the screwdriver at the opening and lift the top of the cover forwards with the screwdriver.
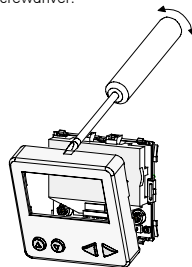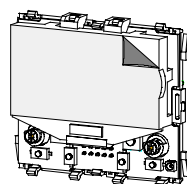

Diagram 6b: *Variant 2*

Diagram 6c: *Removing the protective film*

Removing/inserting the bus terminal (Diagram 7)
– To remove the bus terminal, carefully insert the screwdriver in the wire entry slot in the grey section of the bus terminal (D2.2) and pull the bus terminal (D2) out of the driver (D1).
– To insert the bus terminal, place the bus terminal (D2) in the guide slot of the driver with bus connection (D1) and press the bus terminal (D2) downwards until it reaches the stop.

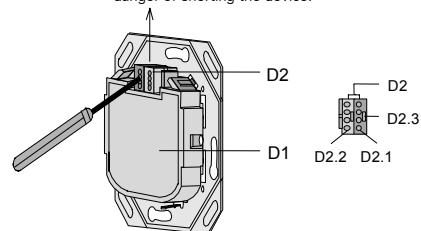**Note:**   Do not jumper bus connections as there is a danger of shorting the device.

Diagram 7: *Removing the bus terminal*

Disconnecting the bus cable (Diagram 8)
– Remove the bus terminal (D2) as shown in Diagram 8 and pull out the conductor (D3) of the bus cable by simultaneously rotating backwards and forwards.
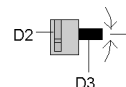

Diagram 8: *Disconnecting the bus cables*

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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