

DELTA i-system	Fan-Coil Unit Operator Panels Office	UP 237E	5WG1 237-2EB_1
DELTA profil	Fan-Coil Unit Operator Panels Office	UP 252E	5WG1 252-2EB_1
DELTA style	Fan-Coil Unit Operator Panels Office	UP 254E	5WG1 254-2EB_1

As at: March 2008

Operating and installation instructions

	DELTA i-system	DELTA profil	DELTA style
Frames	ordered separately from the DELTA ranges		
Bus Transceiver Module	The necessary Bus Transceiver Module UP 117 must be ordered separate.		

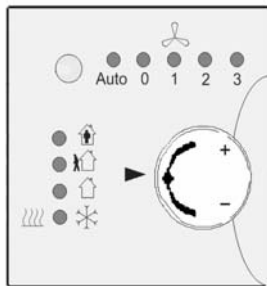


Figure 1: Fan-Coil Unit Operator Panel Office

Product and Applications Description

The Fan-Coil Unit (FCU) Operator Panels Office UP 237E, UP 252E and UP 254E have been designed for use in combination with a FCU Controller REG 540. They can be applied in rooms that are heated and / or cooled by means of a fan-coil unit and in which the room temperature is controlled according to comfort, energy-saving (i.e. standby and / or night mode) and protection mode.

A FCU Operator Panel Office can only function together with the necessary Bus Transceiver Module (BTM) UP 117 and the associated application program.

The application program, loadable up from ETS2 V1.3, supports the following functions:

- Toggling between comfort and energy-saving mode by pressing the button briefly.
- Permanent setting of the desired fan rotational speed respectively resetting to the automatic adjustment of the fan rotational speed by pressing the button for a longer time.
- Display of the manually selected fan rotational speed respectively of the automatic adjustment of the fan rotational speed by the FCU controller via five yellow LEDs.
- Display of the current room operating mode via 3 green LEDs.
- Display if heating or cooling operation via a two-coloured LED (red=heating, green=cooling)
- Shifting of the room temperature setpoint value within the preset range via a rotary knob.

Additional Information

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

Technical Specifications

Power supply

- carried out via the BTM UP 117

Operating elements

- 1 rotary button for manual adjustment of the setpoint (control range dependent on the parameter setting)
- 1 button for toggling of the room operating mode and for setting of the fan rotational speed

Display elements

- 5 LEDs for Display of the manually set fan rotational speed resp. of automatic fan speed setting
- 1 green LED for comfort mode
- 1 green LED for energy-saving mode
- 1 green LED for energy- protection mode
- 1 red/green LED for Heating / cooling

Connections

- 10-pole plug connector for connection with the bus-transceiver module UP 117

Mechanical Data

- Dimensions:
 - Fan-Coil Unit Operator Panel Office UP 237E for DELTA i-system: (L x W x D): 55 x 55 x 16 mm (excluding clamp)
 - Fan-Coil Unit Operator Panel Office UP 252E for DELTA profil: (L x W x D): 65 x 65 x 16 mm (excluding clamp)
 - Fan-Coil Unit Operator Panel Office UP 254E for DELTA style: (L x W x D): 68 x 68 x 16 mm (excluding clamp)
- Weight:
 - DELTA i-system, DELTA profil approx. 30 g
 - DELTA style approx. 40 g

Electrical safety

- Protection type (according to EN 60529): IP 20

Environmental conditions

- Ambient temperature during operation: - 5 ... + 45 °C
- Storage temperature: - 25 ... + 70 °C
- rel. humidity (non-condensing): 5 % to 93 %

Markings

- KNX EIB

Position / Function of the Display and Operating Elements

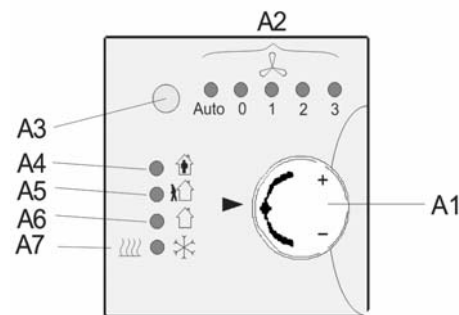


Figure 2: Position of the display and operating elements

- A1 Rotary knob for manual setpoint shift (shifting range dependent on parameter setting)
- A2 Display of the manually set fan rotational speed resp. of automatic fan speed setting
- A3 Button for toggling of the room operating mode by a brief pressing and for setting of the fan rotational speed by a longer lasting pressing
- A4 Display green: glows during comfort mode
- A5 Display green: glows during energy-saving mode
- A6 Display green: glows during protection mode
- A7 Heating / cooling display: glows red when heating valve is open, glows green when cooling valve is open

Mounting

- The device can be used for fixed installations in dry interior spaces and for mounting onto a BTM UP 117 integrated into a flush socket.

DANGER

- The device must only be installed and commissioned by authorized professional electricians.
- The device must not be used in conjunction with 230 V devices in the same socket.
- The device may be used in switch / socket outlet combinations if VDE-authorized devices are used.
- The applicable safety and accident prevention regulations must be observed.
- The device must not be opened.
- When planning and setting up electrical equipment the relevant directives, regulations and stipulations of the respective country must be complied with.

General description

The Fan-Coil Unit Operator Panel Office is attached with the associated DELTA frame to the BTM UP 117 and screwed to its mounting frame.

Notes to figure 3

- Attach the bus cable and fix the BTM UP 117 (B5) on the flush socket (see mounting instructions for BTM UP 117)
- Remove rotary knob (B1) from the operator panel (B2)
- Attach operator panel (B2) with DELTA frame (B4) to the BTM UP 117 (B5) and secure using screw (B3)
- Replace rotary knob (B1).

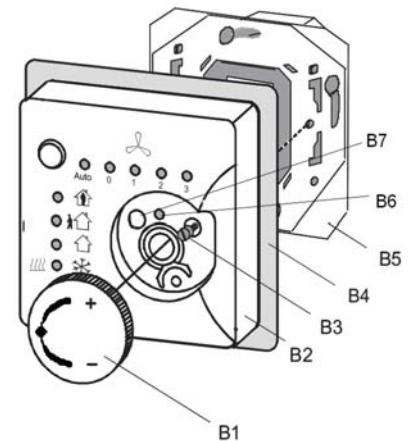


Figure 3: Mounting the Fan-Coil Unit Operator Panel

- B1 Rotary knob for setpoint shifting
- B2 Fan-Coil Unit Operator Panel Office
- B3 Screw for securing the operator panel to the mounting frame of the UP 117 (anti-theft fastening)
- B4 DELTA frame
- B5 Bus Transceiver Module UP 117
- B6 LED for displaying normal mode (LED Off) or addressing mode (LED On); it is automatically extinguished once the physical address has been transferred
- B7 Button for toggling between normal / addressing mode for transferring the physical address.

Dismantling

- Remove rotary knob (B1).
- Loosen screw (B3)
- Remove operator panel together with DELTA frame
- Remove BTM UP 117 (B5) according to dismantling instructions

General Notes

- The operating instructions must be handed over to the client.
- Any faulty device should be returned to the local Siemens office.
- If you have further questions concerning the product please contact our technical support:

+49 (180) 5050-222
 +49 (180) 5050-223
www.siemens.com/automation/support-request