

Touch panel UP 588
Touch panel UP 588/11
Touch panel UP 588/21

5WG1 588-2AB01
5WG1 588-2AB11
5WG1 588-2AB21

Accessories:
Design frame,
anodised aluminium

5WG1 588-8AB01

As at: April 2006

Product and functional description

The touch panel vision UP 588 is a multifunctional display/control unit for the EIB. The basis of the device is an LC display with a resolution of 320 x 240 pixels and an integrated, resistive matrix with 6 x 10 fields. The display has backlighting available, which is activated during operation and can be switched off automatically after an adjustable period.

- Touch-Panel UP 588 5WG1 588-2AB01
backlighting green AC 230V
- Touch-Panel UP 588/11 5WG1 588-2AB11
backlighting white AC 230V
- Touch-Panel UP 588/21 5WG1 588-2AB21
backlighting white AC / DC 24V

In connection with the associated application program, the display unit can be used for the following functions: the display and operation of up to 70 EIB standard functions on 7 display pages, the display of an alarm page with 4 alarm signals and 2 text messages as well as the execution of time-controlled tasks.

The following accessories are required for the touch panel:
 Design frame, anodised aluminium 5WG1 588-8AB01

Application programs

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

Technical data

Power supply

- Bus voltage: via the bus line
- External power supply
 - Touch-Panel UP 588 and Touch-Panel UP 588/11
230 V AC $\pm 10\%$, 50/60 Hz
 - Touch-Panel UP 588/21
12 - 36V DC, 120mA
10 - 28V AC, 50/60 Hz, 120mA

Operating elements

- Learning button for toggling between normal/addressing mode
- Resistive matrix with 6 x 10 fields (touch-sensitive display)

Display elements

- Red programming LED for displaying normal/addressing mode
- 320 x 240 pixel display with graphic capability and backlighting

Connections

- Bus line: EIB bus terminal, screwless
0.6 ... 0.8mm \varnothing solid
insulation strip length 5mm
- Power supply
Insulation strip length: 6...7mm
The following conductors/conductor cross-sections are permitted: - 0.5...2.5mm² solid
- 0.5...1.5mm² finely-stranded

Mechanical data

- Dimensions (WxHxD): 190 x 156 x 58mm
- Mounting depth in flush-type box: 52mm
- Installation: screwed into the relevant flush-type box
- Dimensions of relevant flush-type box (WxHxD):
164 x 138 x 65 mm, included with supply
- Weight: approx. 350g

Electrical safety

- Type of protection (according to EN 60529): IP20

EMC requirements

Complies with EN 61000-6-1 and EN 61000-6-2

Ambient conditions

- Ambient operating conditions: 0°C to +45°C
- Storage temperature: -25°C to +70°C
- Relative humidity (not condensing): 5 % to 93 %

Location and function of the conjunction- and operating elements

The device connections as well as the learning button and programming LED which are required for the commissioning stage are accessible at the back of the device. Diagram 1 shows the back of the device.

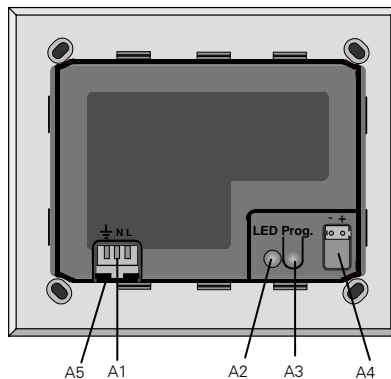


Diagram 1: Location of the conjunction and operating elements

- A1 Terminal compartment for the connection of the power supply terminal
- A2 Programming LED
- A3 Learning button
- A4 Bus terminal
- A5 Latching

The terminal for the power supply supply is on the left-hand side of the device. The terminal must be withdrawn in order to connect the power supply cables.

Mounting and wiring

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

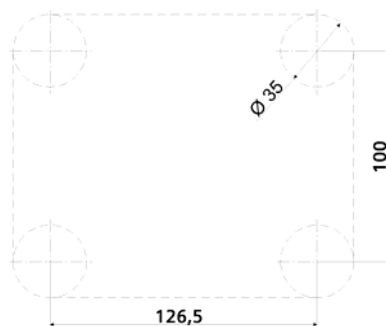


Diagram 2: Drilling jig for cavity wall box for Touch panel UP 588

WARNING

- The device may only be installed and commissioned by an authorised electrician.
- The device may only be used in connection with the named accessories, in particular the flush-type box.
- 230V devices which are not included with supply may not be inserted in the flush-type box. It is also not possible to loop through 230V cables.
- The prevailing safety and accident regulations should be observed.
- The power supply voltage may only be connected to the supply if the device has been fully installed.
- Electrical isolation should be ensured between the bus cable and the 230V power supply.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.

General description

The device may only be installed in the flush-type box that is supplied. For the cable entry into the flush-type box, the bus cable must be inserted into the bottom left opening (B3) and the power supply cable must be inserted into the opening on the right-hand side (B2). The bus and power supply cable may not be fed through an opening together into the flush-type box. Within the box, the cable should be led so that a minimum distance of 10mm is guaranteed between the bus and the power supply cable.

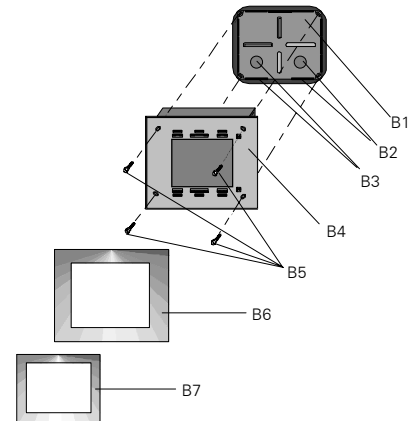


Diagram 3: Installation of the touch panel

- B1 Flush-type box
- B2 Opening for power supply cable
- B3 Opening for bus cable
- B4 Touch panel
- B5 Fixing screws
- B6 Design frame
- B7 All-purpose cover

Terminal assignment:

	230V	24V
1	Earth	In1: +/- DC: AC
2	N Neutral conductor	not connected
3	L Phase	In*: +/- DC: AC

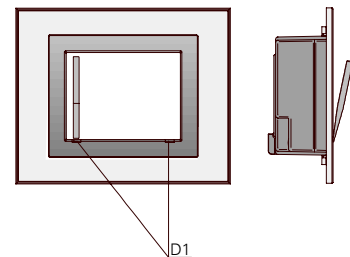
After screwing the device into position and removing the protective foil, the required design cover can be inserted in the display frame. Finally, the all-purpose cover is placed onto the display and latched in place, thereby holding the design cover in position.

Caution: Do not exert direct pressure on the display!
There is a risk of the glass breaking!

Dismantling

- First disconnect the power supply voltage from the supply.
- The all-purpose cover must first be removed when dismantling the device or replacing the design frame. The cover can be released at the openings provided (D1) at the bottom using the dismantling tool provided or a plastic screwdriver.

Caution: When releasing the cover, only slight pressure may be exerted on the display. Do not damage the surface of the display with the dismantling tool!



Once the all-purpose cover has been removed, the design frame can be detached and fully dismantled by loosening the fixing screw B5.

Care instructions

The design frame and the plastic surface of the display unit can be cleaned using conventional, solvent-free cleaning materials. The surface of the display itself may only be cleaned with a damp, soft cloth (e.g. cloth used for cleaning a pair of glasses) and if necessary a mild cleaning agent that is suitable for use on glass.

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.de/automation/support-request