

Touch Panel Vision
UP 588 LCP3000EZ
Data Sheet



product GUIDE



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Touch Panel Vision

UP 588 Accessories: Design frame, anodized aluminum

5WG1 588-2AB_1



Product Description

The Touch Panel Vision UP 588 is a multifunctional display/control unit. 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 (green), which is activated during operation and can be switched off automatically after an adjustable period. In connection with the associated application program,

the display unit can be used for the following functions:

- To display operation of up to 70 standard functions on 7 display pages.
- To display an alarm page with 4 alarm signals and 2 text messages.
- To execute time-controlled tasks.

Design, aluminum frame (Cat # 5WG1 588-8AB01) is required for the touch panel.

Technical Specifications

POWER SUPPLY

Bus voltage: via the bus line
External power supply 230V AC or 120V AC $\pm 15\%$, 50/60 Hz

OPERATING ELEMENTS

- One learning button: for switching between normal operating mode and 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 green backlighting

CONNECTIONS

- Bus line: EIB bus terminal, screw-less connection

Power supply 230V AC or 120V AC $\pm 15\%$, 50/60 Hz

MECHANICAL DATA

- Housing: plastic
- Mounting depth in flush-type box: 2.05" (52mm).
- Installation: screwed into the flush-type box
- Dimensions of flush-type box (W X H X D): 6.3" X 5.12" X 2.76" (160 x 130 x 70 mm), included with supply
- Weight: approx. 0.77 Lb (350 g)

RELIABILITY

Reliability: 99.92% based on 1,000,000 units/10 years of operation under load

ELECTROMAGNETIC COMPATIBILITY:

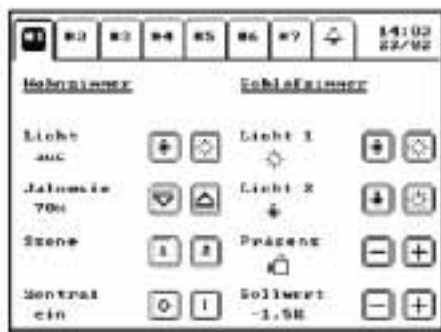
Complies with Part 15 of the FCC rules pursuant to the limits for a Class A digital device

ENVIRONMENTAL SPECIFICATIONS

- Ambient temperature operating: 32°F – 113°F (0°C + 45°C)
- Ambient temperature non-op.: -13°F – 158°F (-25... + 70°C)
- Relative humidity (non-condensing): 5% to 93%

LISTINGS AND CERTIFICATIONS

UL listed (E173 174)
UL 916, Energy Management Equipment Accessory



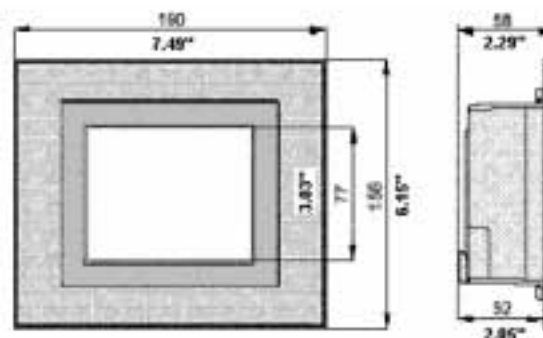
Standard pages

A variety of standard functions can be implemented with the Touch-Panel. There is a maximum of 7 display pages (the number can be selected) available for the standard functions. Up to 10 functions can be displayed and carried out per page.

The selection of individual pages is carried out by touching the corresponding index tab, numbered #1 to #7.

Dimension Diagram

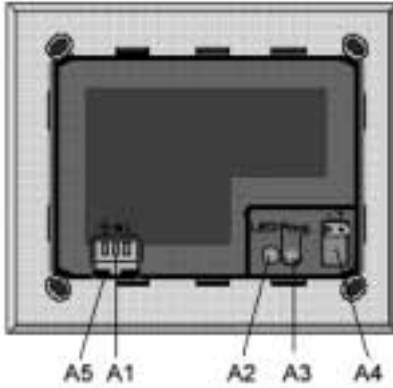
- Dimensions in mm and inches



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 below shows the back of the device.

The connection of the bus cable is carried out via a standard bus terminal



• Location of the display and operating elements

which is inserted in the corresponding terminal locator on the right-hand side of the housing. The learning button and the programming LED are located on the left next to the module slot for the bus terminal. The terminals for the power supply are on the left-hand side of the device.

Care

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 eye glasses) and if necessary a mild cleaning agent that is suitable for use on glass.

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

Installation instructions

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

Note: •

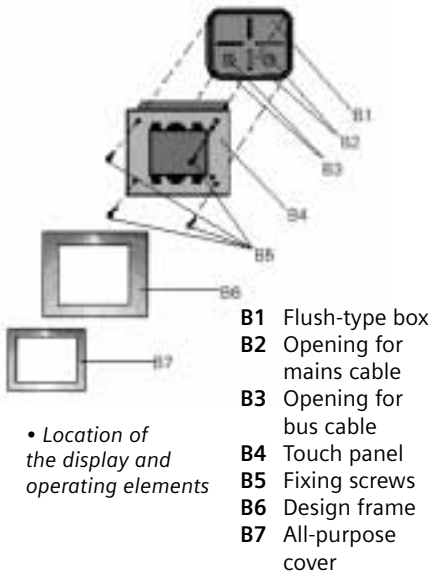
Any faulty devices should be sent to the local Siemens office.



WARNING

- The device may only be installed and commissioned by an authorized electrician.
- The device may only be used in connection with the named accessories, in particular the flush-type box.
- The prevailing safety and accident regulations should be observed.
- The mains voltage may only be connected to the supply if the device has been fully installed.

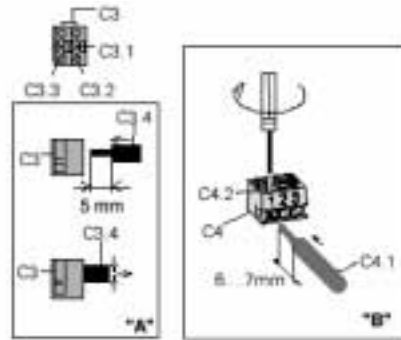
Mounting and Wiring



• Location of the display and operating elements

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 mains cable must be inserted into the opening on the right-hand side (B2). The bus and mains 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 (0.39") is guaranteed between the bus and the mains cable.



• Connections

Connecting the bus cable (Connections Diagram A)

- The bus terminal (C3) is suitable for solid conductors with 18 AWG.
- Remove approx. 3 cm of the insulation of the bus cables.
- Strip approx. 5mm (0.19") of insulation from the conductors (C3.4) and place in the terminal (C3) (red = +, grey = -).

Clipping on the bus terminal

- Place the bus terminal in the guide slot and press the terminal (C3) downwards until it reaches the stop.

Connecting the mains terminal (Connections Diagram B)

- Strip 6... 7mm (0.24"- 0.28") of insulation from the conductor (C4.1), clip on the mains terminals (C4) and tighten the screws (C4.2).

Terminal assignment



After connecting the bus terminal and the mains terminal to the cables, the terminals are inserted in the corresponding openings on the touch panel. Once the bus voltage has been applied, the learning button can be pressed and the physical device address can be programmed. The LED should be extinguished when the physical address has been programmed. The device is then screwed into the box using the four screws supplied (see "Location of the display and operating elements" diagram). The protective foil that is attached to the surface of the display may now be removed. No sharp objects or tools should be used to do so. 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! Once the installation is completed, the mains voltage can be connected to the supply and the device can be put into operation.

Touch Panel Vision

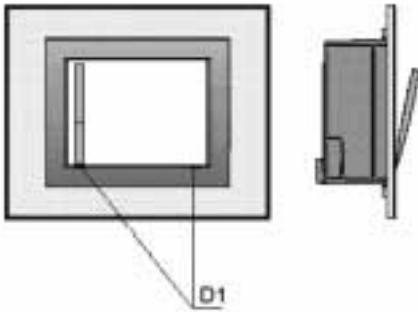
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Dismantling

- First disconnect the mains 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.

Disconnecting the mains terminal (Connections Diagram B)

- To disconnect the mains terminal C4, it must first be pulled downwards out of the terminal compartment A1 via the latching mechanism A5. This can be made easier by lifting the mains terminal C4 slightly using a narrow slotted screwdriver. It is inserted in the centre of the latching mechanism A5 between the mains terminal C4 and the base of the terminal compartment.

Removing the bus terminal (Connections Diagram A)

- The bus terminal (C3) is located in the left terminal compartment. It consists of two sections (C3.2 and C3.3), each with four terminal contacts. Care should be taken not to damage the two test sockets (C3.1) either by accidentally connecting them to the bus conductor or with the screwdriver [when trying to remove the bus terminal].
- Carefully insert the screwdriver in the wire entry slot of the grey section of the bus terminal (C3.3) and pull the bus terminal (C3) out of the built-in device. When the red section of the bus terminal is removed, the grey section remains connected.

Caution: Do not remove the bus terminal from underneath! There is a risk of shorting the device!

Disconnecting the bus terminal (Connections Diagram A)

Remove the bus terminal (C3) and the conductor (C3.4) of the bus cable by rotating them simultaneously backwards and forwards.

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