

## Binary Output UP 562/11 5WG1 562-2AB11 without physical external interface 2 x 230V AC / 10A

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### Product and Applications Description

The binary output UP 562/11 is a switching actuator for the installation in flush-mounting boxes (60mm Ø, depth 60mm, a.s.o.). The box mount has to be covered with a universal-cover (ordering separately). Via its 2 outputs it can switch 2 separate groups of electric devices. The load circuits are connected via screwless connection blocks and the EIB bus line is connected via screwless plug-in connection blocks.

The binary output UP 562/11 consists of the device (hardware) and its application program (software).

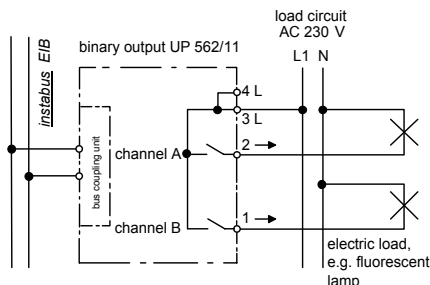
The binary output UP 562/11 can be used e.g. for non-delayed on/off switching, time switch (non-delayed on, delayed off) or for delayed/non-delayed switching.

With the ETS (EIB Tool Software) the application program is selected, its specific parameters and addresses are assigned and downloaded to the binary output UP 562/11.

### Additional Information

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

### Example of Operation



### Technical Specifications

#### Power supply

via bus line

#### Outputs

- number: 2 outputs (voltage free contacts)
- rated voltage: AC 230 V, 47 ... 63 Hz
- rated current: 10 A resistive load
- switching current at AC 230 V: 0,01 ... 10 A resistive load
- switching current at DC 24 V:
  - 10 A resistive load
  - 4 A inductive load (L/R = 7 ms)
- switching characteristic: set in parameter list according to application program

#### Switching power at AC 230 V

- at incandescent lamp load: max. 1000 W
- at fluorescent lamp (FL) load:
  - uncorrected FL,  $\cos \phi = 0,5$ : max. 500 W
  - parallel corrected FL,  $\cos \phi = 1$  (at  $C_{tot} \leq 14 \mu F$ ): 2 x 58 W or 3 x 36 W or 6 x 18 W
  - twin-lamp circuit,  $\cos \phi = 1$ : max. 1000 W
  - Osram ECG for 58 W FL: max. 10 units
  - Osram ECG for 36 W FL: max. 15 units
  - Osram ECG for 18 W FL: max. 20 units

#### Connections

- load circuit, physical:
  - strip insulation for 9 ... 10 mm
  - permissible conductor types/cross sections:
    - 0,5 ... 2,5 mm<sup>2</sup> single core or flexible conductor, 8 mm ultrasonically compacted
    - 0,5 ... 2,5 mm<sup>2</sup> flexible conductor with terminal pin, crimped on gas tight
    - 0,5 ... 1,5 mm<sup>2</sup> flexible conductor with connector sleeve
    - 1,0 and 1,5 mm<sup>2</sup> plain flexible conductor
- load circuit, electrical:
  - plain flexible conductor, min. 1 mm<sup>2</sup>: current carrying capacity max. 6 A
  - all other conductors, min. 1,5 mm<sup>2</sup>: current carrying capacity max. 10 A

### WARNING

When looping through the L-conductor (connection blocks 3 and 4), take care that the maximum connection current of 16 A (as governed by the maximum permissible printed conductor load) is not exceeded!

- bus line:
  - screwless bus connection block
  - 0,6...0,8 mm Ø single core
  - insulation strip length 5mm

#### Physical specifications

- dimensions:
  - spacing dimensions (W x H): 44 x 51 mm
  - mounting depth: 40mm
- weight: approx. 60g

#### Electrical safety

- protection (according to EN 60529): IP 20

#### Environmental specifications

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

### Location and Function of the Display and Operator Elements

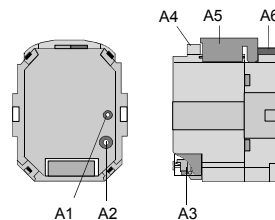


Figure 1: Location of the display and operator elements

- A1 LED for indicating normal operating mode (LED off) and addressing mode (LED on); upon receiving the physical address the device automatically returns to normal operating mode
- A2 Learning button for switching between normal operating mode and addressing mode for receiving the physical address
- A3 Screwless plug-in connection blocks with measuring tap to connect load circuits
- A4 Clamping slots for anchoring the bus lines
- A5 Snap-on cover for bus cable and bus single cores
- A6 Bus clamp for single core conductors with 0,6...0,8 mm Ø

### Installation Instructions

- The device may be used for permanent interior installations in dry locations within flush-mounting boxes.

### WARNING

- The device must be mounted and commissioned by an authorised electrician.
- A safety disconnection of the device must be possible.
- The device may be mounted to switch and socket combination box mounts if VDE-certified devices are used exclusively.
- The prevailing safety rules must be heeded.
- 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.

### Mounting and Wiring

#### General description

The binary output UP 562/11 is built in box mounts (60 mm Ø, depth 60 mm, a.s.o.). The box mount has to be covered with a universal-cover (ordering separately), which is screwed upon the box mount. The binary output is connected to the bus line via the bus terminal block 193 (plug-in connection blocks without screws for single core conductors).

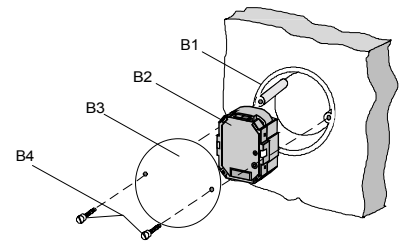


Figure 2: Mounting the binary output UP 562/11

- B1 box mount
- B2 binary output UP 562/11
- B3 universal-cover
- B4 mounting screws

#### Connecting the bus cable (figure 3)

- insert the screw-driver between the cover (C1) and the binary output (C2) and lever out the cover.
- Carefully put the screw-driver to the wire-inserting slit of the bus connection block's grey component and pull the bus connection block from the binary output.
- Remove approx. 25 - 35mm of the insulation
- Remove the end of the insulation of the conductor and plug him into the bus connection block (red = +, grey = -).
- Slip the bus connection block onto the guide slot of the binary output and press the bus connection block down to the stop.
- Press the sheathing of the cut-off insulation bus line projecting >3mm into the open clamping slot.
- Press the single bus wires into the recess below the bus terminal block and snap on the cover (C1).

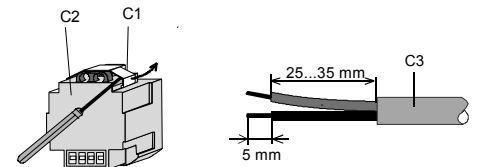


Figure 3: connecting the bus cable

### 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:

+49 (0) 180 50 50-222  
+49 (0) 180 50 50-223  
<http://www.siemens.com/automation/support-request>