

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).

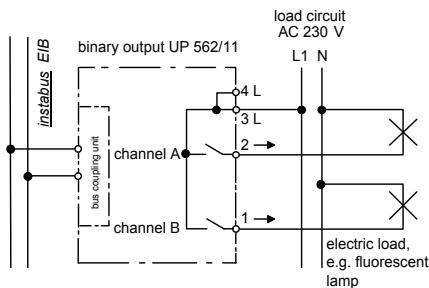
The binary output UP 562/11 can be used e.g. for non-delayed on/off switching, time switch (non-delayed on, delayed off) or for delayed/non-delayed switching.

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 (volt 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, $\cos \varphi = 0,5$: max. 500 W
 - parallel corrected FL, $\cos \varphi = 1$ (at $C_{tot} \leq 14 \mu F$): 2 x 58 W or 3 x 36 W or 6 x 18 W
 - twin-lamp circuit, $\cos \varphi = 1$: 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 mm² single core or flexible conductor, 8 mm² ultrasonically compacted
 - 0,5 ... 2,5 mm² flexible conductor with terminal pin, crimped on gas tight
 - 0,5 ... 1,5 mm² flexible conductor with connector sleeve
 - 1,0 and 1,5 mm² plain flexible conductor
- load circuit, electrical:
 - plain flexible conductor, min. 1 mm²: current carrying capacity max. 6 A
 - all other conductors, min. 1,5 mm²: 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 51mm
 - 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

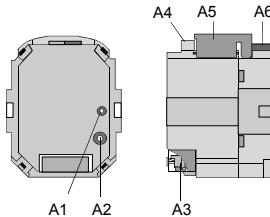


Figure 1: Location of the display and operator elements

- 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).

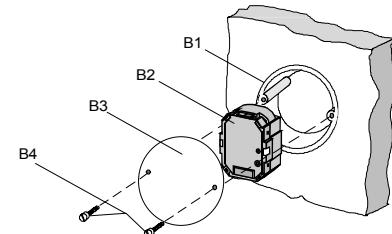


Figure 2: Mounting the binary output UP 562/11

- 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).

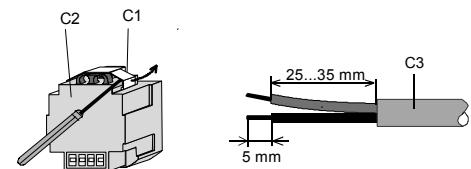


Figure 3: connecting the bus cable

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

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<http://www.siemens.com/automation/support-request>