

IR remote, silver S 425/72

5WG1 425-7AB72

## Product and functional description



For wireless control of actuators the S 425/72 IR remote transmits infrared (IR) signals that are received by the S 450 IR receiver decoder or a wall switch with IR receiver-decoder, which transposes them into corresponding bus telegrams.

The S 425/72 IR remote offers remote control of 16 different room functions that are operated via 4 pairs of buttons and 4 pre-selection buttons (Figure 2). A separate central pair of buttons can be used to operate the function associated with the buttons A-1.

The IR remote is powered by two batteries of type Alkaline (LR03/AAA; 1,5V).

The IR remote offers these functions in conjunction with the receiver-decoder:

### Normal functions

- Switching
- Switching and Dimming
- Control of shades and blinds
- Recalling scenes
- Saving scenes

### Special functions

- Selection of the default level
- Annunciation of low battery

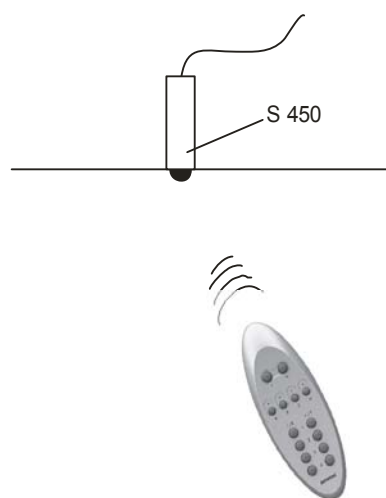
### Note

The batteries (Alkaline LR03/AAA, 1,5V) are not included and have to be sourced separately.

## Application program

none

## Connection example



**Technical data****Power supply**

two batteries Alkaline LR03/AAA, 1,5V

**IR transmission unit**

- light wave length: 890 nm
- transmission freq.: 455 kHz
- transmission range:  
(the receiver must be within uninterrupted optical reach)
  - approx. 20 m
- adjustable channels: 16 of 64

**Configuration elements**

for channel selection:  
coding switches (inside the device)

**Operating elements**

- 4 pairs of control buttons
- 4 buttons for selection of the operating level
- 1 pair of main function control buttons

**Display elements**

4 red LED:  
for display of the selected operation level,  
for signalling of control command actuation

**Mechanical data**

- Housing: plastic
- dimensions (W x L x H): 55 x 154 x 24mm
- Weight: approx. 70 g (without battery)
- Fire load: approx. 2200 kJ

**Electrical safety**

- Type of protection (according to EN 60529): IP 40

**Reliability**

Failure rate: 220 fit bei 40 °C

**EMC requirements**

Complies with EN 61000-6-2, EN 61000-6-3 and EN 50090-2-2

**Environmental specifications**

- climatic conditions: EN 50090-2-2
- ambient temperature operating: - 5 ... + 45 °C
- ambient temperature non-op.: - 25 ... + 70 °C
- relative humidity (non-condensing): 5 % to 93 %

**Markings**

CE

**CE mark**

- in accordance with the EMC directive (residential, commercial, and industrial buildings)

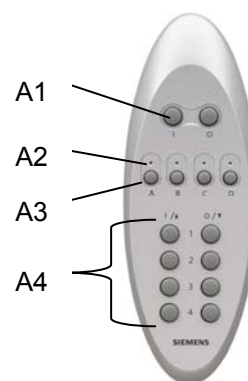
**Location and function of the display and operating elements**

Figure 1: Display and operating elements

- A1 separate central pair of buttons for central function
- A2 Operation level LED's for annunciation of the operation mode, the currently active operation level and transmission of a telegram
- A3 Operation level selection buttons (A, B, C, D) for multiple allocation of the channel button pairs  
When the batteries are inserted level A is set as default level. Another level can be set as the default level by pressing the corresponding level button for 10 seconds.
- A4 4 channel button pairs (1, 2, 3, 4) for actuating four functions for each of the four operation levels that may be selected

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## Start-up instructions

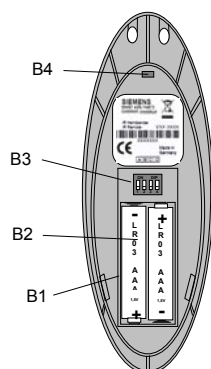


Figure 2

- B1 Battery compartment
- B2 Batteries
- B3 DIP switches for selection of the IR channel block and the selection of the IR range
- B4 Battery compartment lid lock

Take these steps to start-up the IR Remote:

- Remove the Battery compartment lid on the rear side (Figure 2)
- Set the IR transmission channel range
- Insert the batteries
- Close the battery compartment with the lid

**NOTE:**

- The batteries (2 x Alkaline LR03/AAA, 1,5V) are not included and have to be sourced separately.

## Select IR transmission channel

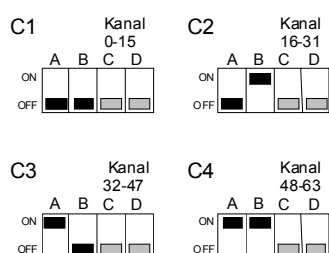


Figure 3: IR transmission channel selection

The IR Remote uses 16 of 64 available IR channels. Use DIP switches A and B for selection of the IR channel block (see figure 3).

Channel block selection via DIP switches A and B:

- C1 Selection for channels 0-15
- C2 Selection for channels 16-31
- C3 Selection for channels 32-47
- C4 Selection for channels 48-63

## Battery change

A required battery change is annunciated by the level LED's A to D flashing for five seconds.

To replace the batteries the battery compartment lid on the rear side of the device has to be removed (Figure 2). Press the latch at the top of the lid (B4 in figure 2) a bit down and lift the battery compartment lid slightly up. Then the lid can be pulled off towards the top. Under the battery compartment lid there are two labeling tags for labeling the functions associated with the buttons of the IR remote.

When replacing the batteries ensure proper polarity of the batteries.

**NOTE:**

Obey the applicable regulations when disposing the empty batteries.

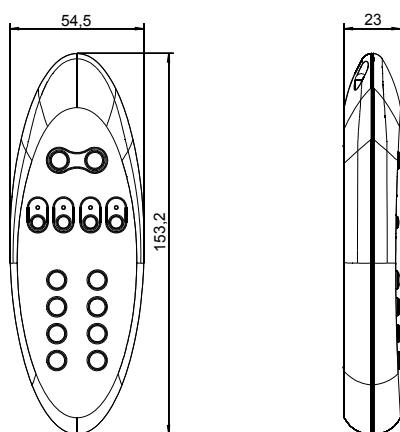
Before closing the battery compartment lid insert the labeling tags. Insert the lid into the bottom latching points and then gently press the lid at the top end to snap it into the top latching point.

**NOTE:**

If within two seconds after inserting the batteries the "0" button of the button pair 1 in level A is pressed for five seconds, the remote is set to send IR signals immediately when a button is pressed. In conjunction with the new S 450 IR receiver decoder switching and dimming commands can be issued faster by the remote. This setting is active until the next battery change.

Dimension drawing

Dimensions in mm



General Notes

- The operating instructions must be handed over to the client.
- Any faulty devices should be returned to the local Siemens office.
- If you have further questions concerning the product please contact our technical support:
  - ☎ +49 (0) 180 50 50-222  
(0,14 €/min. from the German landline network, deviating mobile communications prices are possible)
  - ☎ +49 (0) 180 50 50-223
  - E-Mail: [support.automation@siemens.com](mailto:support.automation@siemens.com)
  - ✉ [www.siemens.com/automation/support-request](http://www.siemens.com/automation/support-request)