

Operating Instructions

Switching actuator
1289 00

GIRA

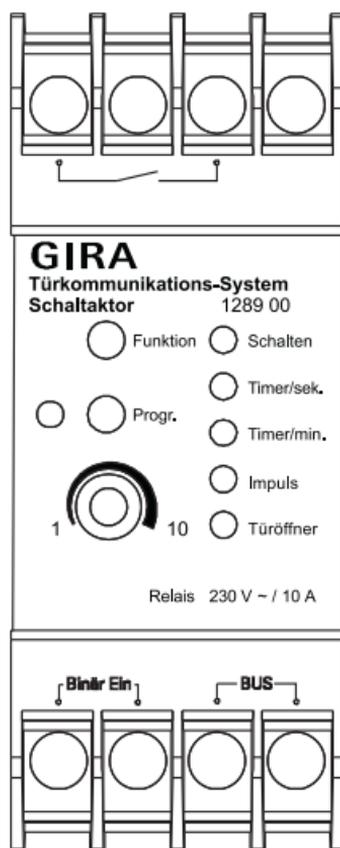
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Device description

The switching actuator is part of the Gira door communication system.

Switching functions operated via the 2-wire bus are executed via the potential-free relay contact of the switching actuator.



"Progr." button

The "Progr." button has two functions:

1. Starting programming mode of the switching actuator: If the "Progr." button is pressed for 3 seconds while the system is in programming mode, the programming mode of the switching actuator is started. The "Progr." LED flashes in programming mode. Briefly pressing the "Progr." button exits programming mode of the switching actuator.



Exiting switching actuator programming mode

When exiting programming mode at the control unit, switching actuator programming mode is also exited.

2. Actuation of the connected device. By briefly pressing the "Progr." button in the operating mode, the connected device is activated based on the set operating mode. The "Progr." LED illuminates during the switching time.

"Funktion" button

The required operating mode can be set with the "Funktion" button (see Page 9). The next operating mode is selected with each button press.

The LEDs next to the operating mode names indicate the active operating mode.



LED indication

The LEDs only illuminate while the door communication system is in programming mode. The LEDs go out 2 minutes after programming mode is exited. By pressing the "Funktion" button, the LED indication can be activated in normal operation for 2 minutes.

Adjuster

The activation duration of the connected device is set at the adjuster. Depending on the selected operating mode, the setting time lies in the range 1 to 10 seconds or 1 to 10 minutes. The adjuster is set with a screwdriver (3 mm blade).

Bus

The switching actuator is connected to the 2-wire bus via these terminals. Polarity need not be taken into account here, as the polarity of the Gira door communication system 2-wire bus is neutral.

Binary in

One or more mechanical buttons (NO contact), used to initiate the switching functions, can be connected to the binary input.



Max. cable length

The maximum cable length between the binary input of the switching actuator and the button is 20 m.

Potential-free relay contact

The device to be switched is connected to the relay contact.

It could be a light or a door opener, for example, depending on the selected operating mode.



Attention

Installation and mounting of electrical devices may only be carried out by a qualified electrician.

For installation protected from dripping and sprayed water, mount the control unit to a top-hat rail in the distribution.

The device connection and bus connection are made via terminal screws.

The relay contact must be protected with a 10 A miniature circuit-breaker.

Setting operating mode

The switching actuator can be used in five different operating modes:

- Schalten (Switching, see Page 12)
- Timer/sek. (Timer/sec., see Page 14)
- Timer/min. (Timer/min., see Page 16)
- Impuls (Pulse, see Page 18)
- Türöffner (Door opener, see Page 20)

Proceed as follows to select the desired operating mode:



1. Start programming mode at the **control unit** by pressing the "Systemprog." button for 3 seconds until the LED next to the button starts flashing.

✓ The LED of the last set operating mode flashes at the **switching actuator**.



2. Press the "Funktion" button at the **switching actuator** several times until the LED of the desired operating mode flashes.



3. Press the "Systemprog." button at the **control unit** to exit operation-selection mode of the switching actuator.

✓ The last set operating mode is activated.

Switching operating mode after programming

If the operating mode of a previously programmed switching actuator was switched, the programming remains in tact.

When only switching between switching functions, e.g. from "Schalten" to "Timer/min.", the switching function with the modified conditions is executed.

When switching to or from the "Türöffner" operating mode, no functions are executed. In this case, the existing assignments must first be deleted (see Page 23) in order to teach in new assignments suitable for the operating mode.



Automatic assignment of the switching actuator

The switching actuator is automatically assigned to the  button of the home stations. If the switching actuator is programmed to a specific button, the automatic assignment is lost.

- Switching actuator functions must be assigned in a separate programming procedure, i.e. the programming mode of the door communication system must be restarted beforehand at the control unit and exited afterwards.
- Before a switching actuator function can be assigned to a call button for home stations, the call button must have been taught in (e.g. as a call button of another home station).
- If a switching actuator function is to be executed while a home station call is made when a call button is pressed, the switching actuator function must be assigned first, followed by the home station (see Page 26).

"Schalten" (Switching) operating mode

In the "Schalten" operating mode, the device is activated via the press of a button and remains activated until the button is pressed again.

The "Schalten" operating mode can be assigned to the following buttons:

-  button of the home stations
- Floor-call button on the ET terminal of a home station
- call button for flush-mounted and surface-mounted door station
- call button for home stations (left: ON, right: OFF)

It is irrelevant whether the button is operated to the left or right when programming a call button for home stations. The left button is automatically ON and the right one is OFF.

Programming "Schalten"



1. Start programming mode at the **control unit** by pressing the "Systemprogr." button for 3 seconds until the LED next to the button starts flashing.

✓ The LED of the last set operating mode flashes at the **switching actuator**.



2. Press the "Funktion" button at the **switching actuator** several times until the "Schalten" LED flashes.



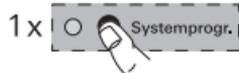
3. Press the "Progr." button at the **switching actuator** for 3 seconds until the LED next to the button flashes.



4. Press the button to be assigned at the **door station** or **home station** for 3 seconds until you hear a short acknowledgement tone.



✓ A long acknowledgement tone confirms successful assignment.



5. Press the "Systemprogr." button at the **control unit** to end programming mode.

"Timer/sek." operating mode

The "Timer/sek." operating mode (1 - 10 s) could be used for direct operation of the door opener of a back/side door, for example. It can then be operated directly, even if no calls were initiated from the back/side door. This cannot be implemented in the "Türöffner" operating mode, as it is switched to the main door 2 minutes after the door call with this mode.

After the button is pressed, the contact closes according to the set time. The activation time can be set within the range of 1 to 10 seconds via the adjuster. The timer function can be re-triggered, i.e. if switching occurs before the set time expires, the set time restarts.

The "Timer/sek." operating mode can be assigned to the following buttons:

-  button of the home stations
- floor-call button on the ET terminal of a home station
- call button for flush-mounted and surface-mounted door station
- call button for home stations (left / right - same function)

Programming "Timer/sek."



1. Start programming mode at the **control unit** by pressing the "Systemprogr." button for 3 seconds until the LED next to the button starts flashing.

✓ The LED of the last set operating mode flashes at the **switching actuator**.



2. Press the "Funktion" button at the **switching actuator** several times until the "Timer/sek." LED flashes.



3. Press the "Progr." button at the **switching actuator** for 3 seconds until the LED next to the button flashes.



4. Press the button to be assigned at the **door station** or **home station** for 3 seconds until you hear a short acknowledgement tone.



✓ A long acknowledgement tone confirms successful assignment.



5. Press the "Systemprogr." button at the **control unit** to exit programming mode.

"Timer/min." operating mode

The "Timer/min." (1 - 10 minutes) operating mode could be used for the operation of path illumination or staircase illumination (without security function), for example.

After the button is pressed, the contact closes according to the set time. The activation time can be set within the range of 1 to 10 seconds via the adjuster. The timer function can be re-triggered, i.e. if switching occurs before the set time expires, the set time restarts.

The "Timer/min." operating mode can be assigned to the following buttons:

-  button of the home stations
- Floor-call button on the ET terminal of a home station
- call button for flush-mounted and surface-mounted door station
- call button for home stations (left / right - same function)

Programming "Timer/min."



1. Start programming mode at the **control unit** by pressing the "Systemprogr." button for 3 seconds until the LED next to the button starts flashing.

✓ The LED of the last set operating mode flashes at the **switching actuator**.



2. Press the "Funktion" button at the **switching actuator** several times until the "Timer/min." LED flashes.



3. Press the "Progr." button at the **switching actuator** for 3 seconds until the LED next to the button flashes.



4. Press the button to be assigned at the **door station** or **home station** for 3 seconds until you hear a short acknowledgement tone.



✓ A long acknowledgement tone confirms successful assignment.



5. Press the "Systemprogr." button at the **control unit** to exit programming mode.

"Impuls" (Pulse) operating mode

The "Impuls" operating mode could be used for the operation of an existing automatic staircase mechanism, for example. The contact closes for 0.3 seconds after the button is pressed.

The "Impuls" operating mode can be assigned to the following buttons:

-  button of the home stations
- Floor-call button on the ET terminal of a home station
- call button for flush-mounted and surface-mounted door station
- call button for home stations (left / right - same function)

Programming "Impuls"



1. Start programming mode at the **control unit** by pressing the "Systemprogr." button for 3 seconds until the LED next to the button starts flashing.

✓ The LED of the last set operating mode flashes at the **switching actuator**.



2. Press the "Funktion" button at the **switching actuator** several times until the "Impuls" LED flashes.



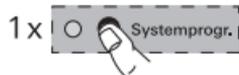
3. Press the "Progr." button at the **switching actuator** for 3 seconds until the LED next to the button flashes.



4. Press the button to be assigned at the **door station** or **home station** for 3 seconds until you hear a short acknowledgement tone.



✓ A long acknowledgement tone confirms successful assignment.



5. Press the "Systemprogr." button at the **control unit** to exit programming mode.

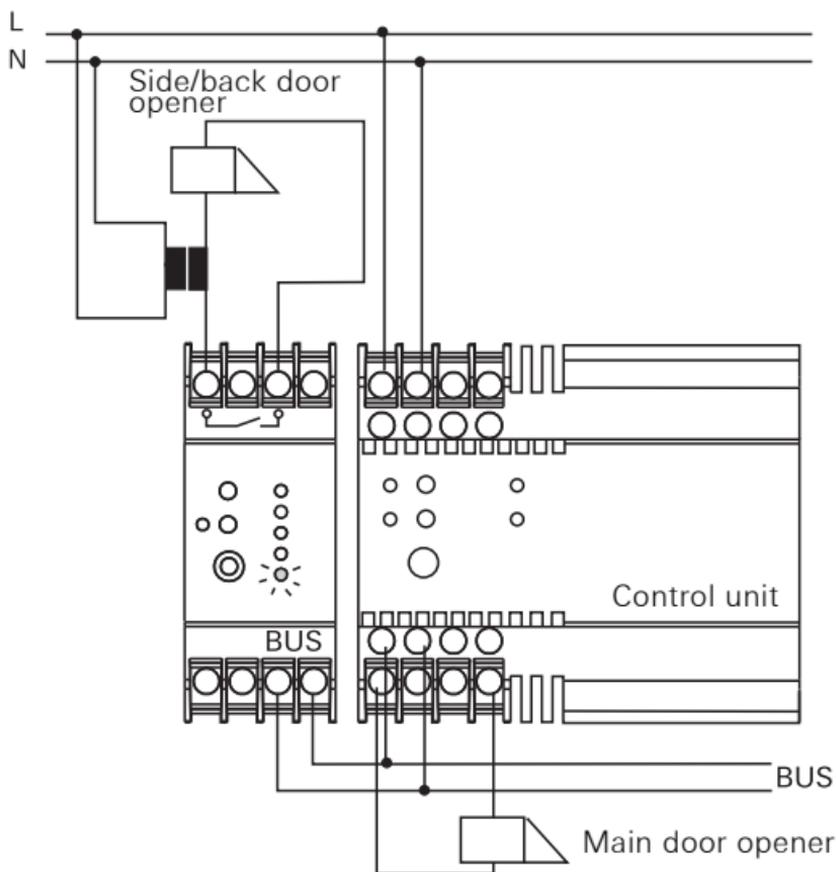
"Türöffner" (Door opener) operating mode

In the "Türöffner" (1 - 10 seconds) operating mode, the switching actuator of the  button of the home station is operated. The activation time of the door opener can be set within the range 1 to 10 seconds via the adjuster.

In the "Türöffner" operating mode, the switching actuator is assigned to a door station and can **only** be operated via the  button of the home stations.

The door opener connected to the switching actuator is assigned to the "back/side" door. The door opener of the "main" door is operated via the control unit.

The door opener connected to the switching actuator can then only be activated via the  button of the home station if a door call was initiated beforehand from the door station of the "side/back" door. It is switched to the "main" door 2 minutes after the door call (with no conversation) or 30 seconds after the door conversation.



Assigning door opener of switching actuator



1. Start programming mode at the **control unit** by pressing the "Systemprogr." button for 3 seconds until the LED next to the button starts flashing.

- ✓ The LED of the last set operating mode flashes at the **switching actuator**.



2. Press the "Funktion" button at the **switching actuator** several times until the "Türöffner" LED flashes.



3. Press the "Progr." button at the **switching actuator** for 3 seconds until the LED next to the button flashes.



4. Press any call button at the **door station** for 3 seconds until you hear a short acknowledgement tone.



- ✓ A long acknowledgement tone confirms successful assignment. In addition, the door opener connected to the switching actuator is operated for the set time.

To assign additional door stations to the same door opener, repeat Step 4 at the next door station.



5. Press the "Systemprogr." button at the **control unit** to exit programming mode.

Deleting assignments of the switching actuator

Proceed as follows to delete all existing assignments of the switching actuator:



1. Start programming mode at the **control unit** by pressing the "Systemprogr." button for 3 seconds until the LED next to the button starts flashing.

✓ The LED of the last set operating mode flashes at the **switching actuator**.



2. Press the "Progr." button at the **switching actuator** for 6 seconds to delete all of the assignments of the switching actuator. The LED starts flashing after 3 seconds. Keep the button pressed for an additional 3 seconds, until the LED next to the button flashes rapidly.



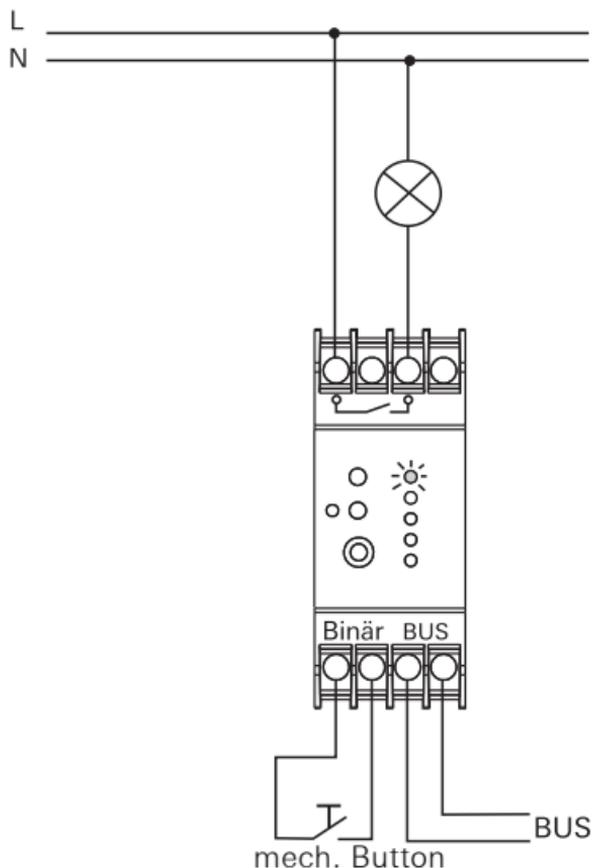
3. Press the "Systemprogr." button at the **control unit** to exit programming mode.

Behaviour of the switching actuator after the assignments are deleted

Once you have deleted all of the assignments of the switching actuator, the switching actuator is automatically assigned to the  button of the home stations.

Application example "Switching illumination"

The illumination (e.g. in the entryway) is to be switched on and off via a call button of the home station and a mechanical button.





1. Start programming mode at the **control unit** by pressing the "Systemprogr." button for 3 seconds until the LED next to the button starts flashing.

✓ The LED of the last set operating mode flashes at the **switching actuator**.



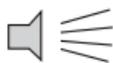
2. Press the "Funktion" button at the **switching actuator** several times until the "Schalten" LED flashes.



3. Press the "Progr." button at the **switching actuator** for 3 seconds until the LED next to the button flashes.



4. Press the button to be assigned at the **home station** for 3 seconds until you hear a short acknowledgement tone.



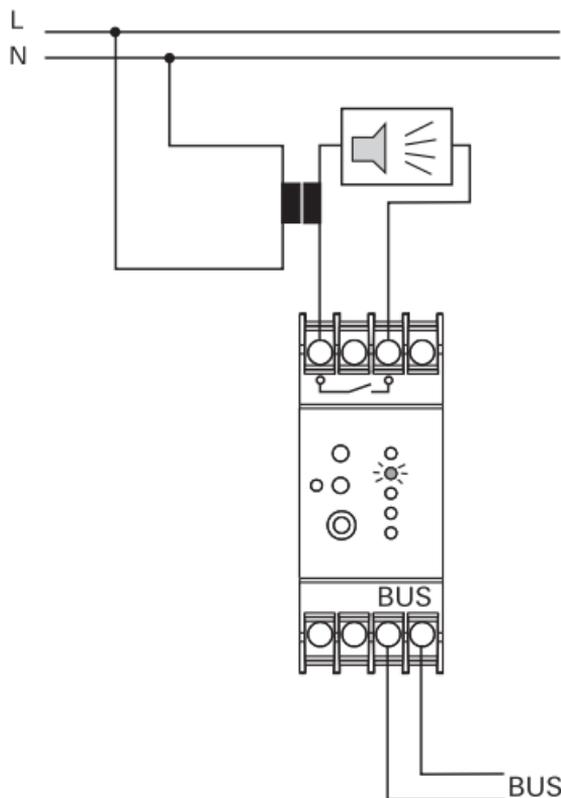
✓ A long acknowledgement tone confirms successful assignment.



5. Press the "Systemprogr." button at the **control unit** to exit programming mode.

Application example "Additional signalling"

The additional signalling (external bells, vibrating pads etc.) is to be activated parallel to the called home station after a call button is pressed.



1. Start programming mode at the **control unit** by pressing the "Systemprogr." button for 3 seconds until the LED next to the button starts flashing.

- ✓ The LED of the last set operating mode flashes at the **switching actuator**.



2. Press the "Funktion" button at the **switching actuator** several times until the "Timer/sek." LED flashes.



3. Press the "Progr." button at the **switching actuator** for 3 seconds until the LED flashes.



4. Press the call button at the **door station** for 3 seconds until you hear a short acknowledgement tone.



- ✓ A long acknowledgement tone confirms successful assignment.



5. Briefly press the "Progr." button at the **switching actuator** to exit programming mode of the switching actuator.



6. Press the call button at the **door station** again for 3 seconds until you hear a short acknowledgement tone.



7. Press the  button at the **home station** for 3 seconds until you hear a short acknowledgement tone.



- ✓ A long acknowledgement tone confirms successful assignment.



8. Press the "Systemprogr." button at the **control unit** to exit programming mode.

Technical data

| | |
|--------------------------------------|--|
| Power supply: | 26 V DC \pm 2 V (bus voltage) |
| Relay contact: | 10 A (230 V AC) 2 A (30 V DC) potential-free |
| Dimensions: | series inst. device / 2 modules |
| Temperature range: | -5 °C to + 45 °C |
| Number of teachable call buttons: | max. 16 |

Acceptance of guarantee

The warranty is provided in accordance with statutory requirements via the specialist trade.

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/ electrical specialist trade).

They will forward the devices to the Gira Service Center.

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