Operating Instructions

Keypad
2605 ..

GIRA

Contents

Device description

The keypad provides convenient and secure access control for inside and outside areas. The keypad opens the door when a personal code is entered. Capacitive switching technology enables operation by a light touch of the finger. The keypad can be used as a stand-alone function, e.g. at individual doors or gates. It can also be integrated into the Gira door communication system. No additional control components are required here.

Easy start-up without a PC or programming software is possible via direct configuration at the device.

The two integrated zero-voltage two-way switch relays can be assigned to different codes. Thus it is possible to carry out two different switching processes, e.g. code 1 for door opening and code 2 for switching the outside light via a remote-control switch. The keypad can manage up to 255 codes (incl. admin code and release code).

The keypad is installed indoors (IP 20) in conjunction with System 55 cover frames and outdoors (IP 44) with TX_44 cover frames.

Device presentation
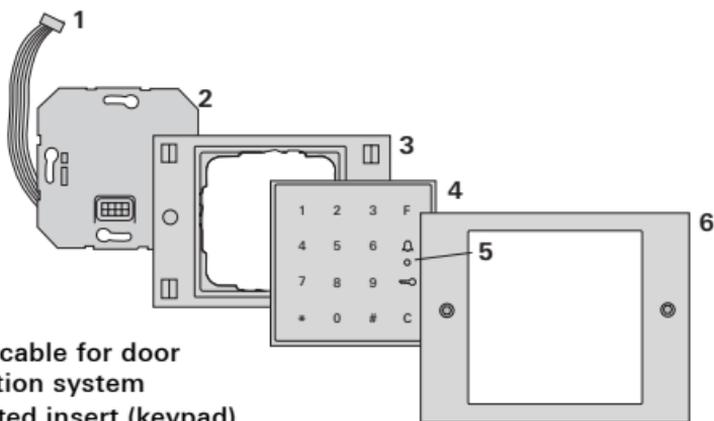
TX_44
1 Connection cable for door communication system
2 Flush-mounted insert (keypad)
3 TX_44 cover frame, bottom section (not included in scope of supply)
4 Keypad
5 Status LED
6 TX_44 cover frame top section (not in scope of supply)
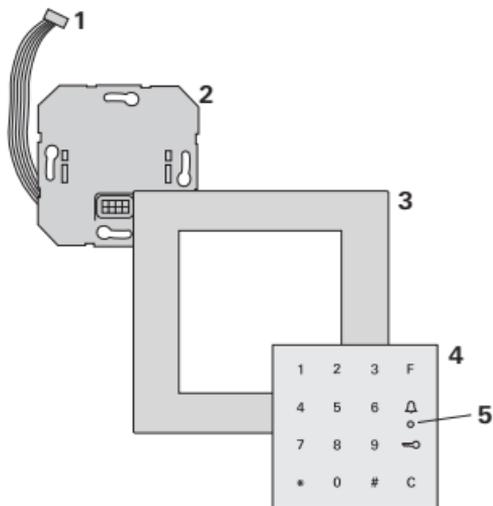
System 55
1 Connection cable for door communication system
2 Flush-mounted insert (keypad)
3 System 55 cover frame (not in scope of supply)
4 Keypad
5 Status LED

Use as individual device
In this case the existing zero-voltage relay contacts within the flush-mounted insert are used, e.g. for a door opener with own power supply.

> **i** **Use as individual device not in safety-relevant areas**
>
> Not recommended for opening of outside doors especially in safety-relevant areas, as door may be opened with expansion of keypad via bridging of open contacts.
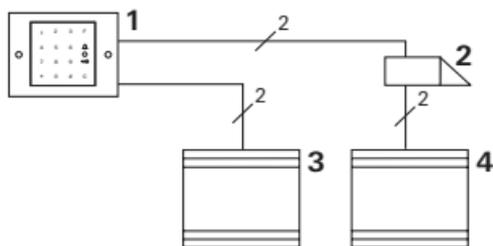
1 **Keypad**
2 **Door opener**
3 **Power supply 24 V DC**
4 **Power supply of door opener**

Use in door communication system

The keypad can be connected to the door communication system via the enclosed connection cable. Thus the keypad can control e.g. the door opener contact of the control device or can trigger the switching action of a switching actuator.

In addition, further home stations can be specifically selected.

1 **Hands-free feature surface-mounted home station**
2 **Flush-mounted door station with keypad**
3 **Audio control device**
4 **Door opener**
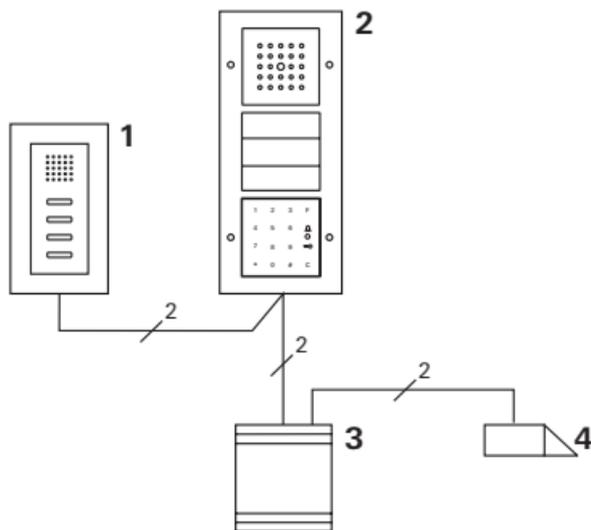
ℹ️ **Protecting control device from unauthorised access**

In safety-relevant areas the control device should be securely installed (locked) to prevent unauthorised access.

Button F - switching
Pressing the button "F" controls the assigned switching actuator.

Button C - correction
Button "C" deletes an incorrect entry. The complete button combination must then be re-entered.

1	2	3	F
4	5	6	$\bigcap$
			o
7	8	9	$\multimap$
*	0	#	C

Button $\bigcap$ - triggering a door call
In smaller buildings the button $\bigcap$ can be used as a call button.
If the button $\bigcap$ is pressed a door call is triggered at the assigned home station.

Button $\bigcap$ - calling a specific home station
In buildings with several home stations, assigned home stations can be specifically called. For this purpose every home station receives its own user ID. The home station is called via the following button combinations:

User ID	$\bigcap$

Button ⚷ - open door

The door is opened via the following button combinations:

In operating mode "small buildings":

> **User PIN   ⚷**

In operating mode "large buildings" (see Page 25):

> **User ID   *   User PIN   ⚷**

ⓘ   Acknowledgement tones can be switched off

Acknowledgement tones occurring during operation can be switched off (see Page 23).

Acknowledgement signals

The keypad generates different acknowledgement signals during operation and start-up:

Positive acknowledgement signal
✓ The keypad generates a long acknowledgement tone, the LED simultaneously lights up green.

Negative acknowledgement signal
✓ The keypad generates 3 short acknowledgement tones, the LED simultaneously lights up red.

Administrator mode activated
✓ The LED lights up orange.

In door communication system:
Programming mode activated
✓ The keypad generates a short acknowledgement signal, the LED flashes orange.

Programming mode terminated
✓ The keypad generates a short acknowledgement tone, the LED is off.

---

i **Acknowledgement signal off**

If the acknowledgement tone is switched off (see Page 23), there are no more acknowledgement tones. The acknowledgement signals then occur solely via the LED.

Start-up sequence

For start-up the keypad, the following steps must be implemented in the order shown below:

| I. Install keypad (from Page 12) → LED flashes green | I |

| II. Create first administrator (Page 15) * 3 * Admin ID_New * Admin PIN_New # | II |

| III. Create user for relays 1/2 (from Page 16) * 1/2 * User ID_New * User PIN_New # | III |

| IV. Carry out configurations to keypad (from Page 19) | IV |

| V. Use in door communication system Assigning door opener/switching actuators (from p. 27) | V |
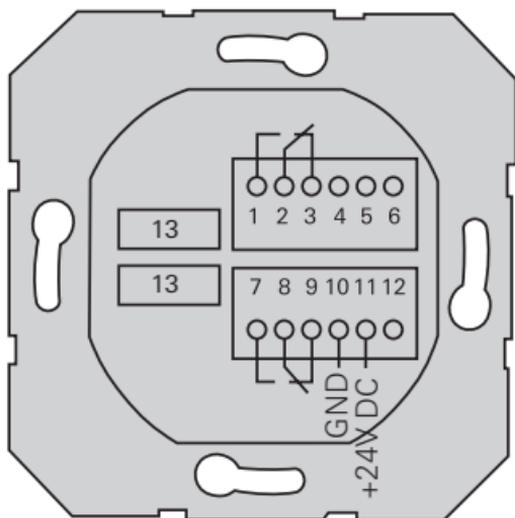
Relay 1	1	Relay 1 N.O. (NO contact)
	2	Relay 1 COM
	3	Relay 1 N.C. (NC contact)
Service	4	not used
	5	not used
	6	GND
Relay 2	7	Relay 2 N.O. (NO contact)
	8	Relay 2 COM
	9	Relay 2 N.C. (NC contact)
Power supply	10	GND
	11	+ 24 V DC
	12	not used
Door communication	13	6-pole slot door communication system

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

The keypad is connected via both detachable terminal strips
and mounted in a 58 mm flush-mounted box.

1. Pull off required terminal strip and connect according to
   terminal figuration.
2. Attach terminal strip to the flush-mounted insert again.
3. Install flush-mounted insert into flush-mounted box.
4. Install cover frame and attach cover plate of the keypad.
✓ 10 seconds after operating voltage is applied, the LED of
   the keypad flashes green.
5. Start-up the keypad:
   - first create an administrator (Page 15),
   - then create the user (from Page 16),
   - then if necessary assign switching actuator functions
     or door opener functions (from Page 30).

What is an administrator, a user?

For starting up, an administrator must be created. Users are created for operation.

Administrator
An administrator always consists of an admin ID and an admin PIN
- Admin ID: 1 to 6-digit
- Admin PIN: 1 to 32-digit (for configuration of keypad)

User
A user consists of a user ID and a user PIN
- User ID: 1 to 6-digit (for door call functions)
- User PIN: 1 to 32-digit (for door opening functions or switching actions).

$\boxed{i}$ **Information about IDs and PINs**

The allocation of identical IDs is not possible. If an administrator receives ID 1, there cannot be a user with the ID 1.

The allocation of identical PINs is only possible in operating mode "large buildings". Further information about operating modes "small buildings" / "large buildings" on p. 26

Creating first administrator

Before first start-up, an administrator must be created. If no administrator has been created, the LED of the keypad flashes green.

| $\mathbf{i}$ | Admin ID and admin PIN |

Admin ID and admin PIN cannot be used for switching actions, e.g. for opening of a door.

Create administrator:

✓ LED flashes green.

1. Create new administrator:

   * 3 * Admin ID$_{New}$ * Admin PIN$_{New}$ #

✓ The keypad generates a positive acknowledgement signal:
   An administrator was created successfully.
   The keypad is now in administrator mode.

2. Enter administrator with ID and PIN into the table on Page 52.

| $\mathbf{i}$ | Correct operating mode selected? |

Upon delivery the operating mode "small buildings" is preset. This means that identical PINs cannot be assigned. Further information about operating modes "small buildings" / "large buildings" on Page 26.

Creating user for relay 1

The following describes how a user is created for relay 1.

1. Start administrator mode (if not already active):

   | * 0 * Admin PIN # |

✓ After a positive acknowledgement signal the keypad is in administrator mode.

✓ A negative acknowledgement signal indicates an incorrect entry (e.g. of the admin PIN).

2. Create user for relay 1:

   | * 1 * User ID$_{New}$ * User PIN$_{New}$ # |

✓ The keypad generates a positive acknowledgement signal:

   The user was created successfully.

✓ Further users can now be created.

III 3. Administrator mode ends after 15 seconds automatically or after entering:

   | * 0 # |

4. Enter user with ID and PIN into the table on Page 52.

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Creating user for relay 2

The following describes how a user is created for relay 2.

1. Start administrator mode (if not already active):

   `*  0  *  Admin PIN  #`

✓ After a positive acknowledgement signal the keypad is in administrator mode.

✓ A negative acknowledgement signal indicates an incorrect entry (e.g. of the admin PIN).

2. Create user for relay 2:

   `*  2  *  User ID`$_{New}$`  *  User PIN`$_{New}$`  #`

✓ The keypad generates a positive acknowledgement signal:

   The user was created successfully.

✓ Further users can now be created.

3. Administrator mode ends after 15 seconds automatically **III** or after entering:

   `*  0  #`

4. Enter user with ID and PIN into the table on Page 52.

Create a further administrator

An administrator is created as follows:

1. Start administrator mode (if not already active):

   | * 0 * Admin PIN # |

   ✓ After a positive acknowledgement signal the keypad is in administrator mode.
   ✓ A negative acknowledgement signal indicates an incorrect entry (e.g. of the admin PIN).

2. Create new administrator:

   | * 3 * Admin ID$_{New}$ * Admin PIN$_{New}$ # |

   ✓ The keypad generates a positive acknowledgement signal:
   The administrator was created successfully.

3. Administrator mode ends after 15 seconds automatically or after entering:

   | * 0 # |

4. Enter administrator with ID and PIN into the table on Page 52.

III

Changing admin/user PIN

The corresponding PIN is changed when the user or administrator is assigned a new PIN:

1. Start administrator mode (if not already active):

   | *** 0 * Admin PIN #** |

- ✓ After a positive acknowledgement signal the keypad is in administrator mode.
- ✓ A negative acknowledgement signal indicates an incorrect entry (e.g. of the admin PIN).

2. Change user PIN:

   | *** 4 * User ID * User PIN$_{New}$ #** |

   Change admin PIN:

   | *** 4 * Admin ID * Admin PIN$_{New}$ #** |

- ✓ The keypad generates a positive acknowledgement signal:
  The PIN has been successfully set.
- ✓ The keypad generates a negative acknowledgement signal:
  Invalid ID entered.

3. Administrator mode ends after 15 seconds automatically or after entering:

   | *** 0 #** |

IV

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Deleting user

A user is deleted as follows:

1. Start administrator mode (if not already active):

   * 0 * Admin PIN #

- ✓ After a positive acknowledgement signal the keypad is in administrator mode.
- ✓ A negative acknowledgement signal indicates an incorrect entry (e.g. of the admin PIN).

2. Delete user:

   * 5 * User ID #

- ✓ The keypad generates a positive acknowledgement signal:
  The user was deleted successfully.
- ✓ The keypad generates a negative acknowledgement signal:
  An incorrect user ID was entered.
- ✓ Further users can now be deleted.

3. Administrator mode ends after 15 seconds automatically or after entering:

IV

   * 0 #

4. Remove deleted users from the table on Page 52 .

Deleting administrator

An administrator is deleted as follows:

1. Start administrator mode (if not already active):

   * 0 * Admin PIN #

- ✓ After a positive acknowledgement signal the keypad is in administrator mode.
- ✓ A negative acknowledgement signal indicates an incorrect entry (e.g. of the admin PIN).

2. Delete administrator:

   * 5 * Admin ID #

- ✓ The keypad generates a positive acknowledgement signal: The administrator was deleted successfully.
- ✓ The keypad generates a negative acknowledgement signal: An incorrect admin ID was entered.
- ✓ Further administrators can now be deleted.

3. Administrator mode ends after 15 seconds automatically or after entering: *** 0 #**

> **i** **Last admin cannot be deleted**
>
> The last remaining administrator can only be deleted via resetting to factory settings (Page 25).

IV

4. Remove deleted administrators from the table on Page 52 .

Switching button illumination on/off

The illumination of the keypad can be switched as follows:

1. Start administrator mode (if not already active):

   * 0 * Admin PIN #

✓ After a positive acknowledgement signal the keypad is in administrator mode.

✓ A negative acknowledgement signal indicates an incorrect entry (e.g. of the admin PIN).

2. Switch on illumination:

   * 61 * 1 #

   Switch off illumination:

   * 61 * 0 #

✓ The keypad generates a positive acknowledgement signal:
   The illumination was switched on/off successfully.

3. Administrator mode ends after 15 seconds automatically or after entering:

IV

   * 0 #

Switching acknowledgment tones on/off

The acknowledgement tones are activated/deactivated as follows. In addition, quiet or loud acknowledgement tones can be selected.

1. Start administrator mode (if not already active):

   * 0 * Admin PIN #

✓ After a positive acknowledgement signal the keypad is in administrator mode.

✓ A negative acknowledgement signal indicates an incorrect entry (e.g. of the admin PIN).

2. Switch off acknowledgement tones:

   * 62 * 0 #

   Switch on acknowledgement tones (quiet):

   * 62 * 1 #

   Switch on acknowledgement tones (loud):

   * 62 * 2 #

✓ The keypad generates a positive acknowledgement signal:
   The acknowledgement tones were successfully set.

IV

3. Administrator mode ends after 15 seconds automatically or after entering:

   * 0 #

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Setting switching time of relays

Switching time of the relays can be set from 3 to 30 seconds. The set contact hold time is valid for both relays.

1. Start administrator mode (if not already active):

   * 0 * Admin PIN #

✓ After a positive acknowledgement signal the keypad is in administrator mode.

✓ A negative acknowledgement signal indicates an incorrect entry (e.g. of the admin PIN).

2. Start procedure:

   * 63 #

✓ The LED lights up red.

3. Press a button to start switching time.

✓ The keypad generates an acknowledgement tone every second, the LED simultaneously flashes green.
   The relays are not activated during setting of the switching time.

4. To end setting of the switching time, press any button again.

✓ The keypad generates a positive acknowledgement signal:
   The switching time was successfully set.

5. Administrator mode ends after 15 seconds automatically or after entering:

   * 0 #

Resetting to factory settings - selection of operating mode

The keypad can be reset to the state of delivery. In this case, all user and administrator assignments are lost.

1. Start administrator mode (if not already active):

   | * 0 * Admin PIN # |

✓ After a positive acknowledgement signal the keypad is in administrator mode.

✓ A negative acknowledgement signal indicates an incorrect entry (e.g. of the admin PIN).

2. Factory setting: operating mode "small buildings":

   | * 9 * 1230 # |

   Factory setting: operating mode "large buildings":

   | * 9 * 1231 # |

✓ The keypad generates a positive acknowledgement signal, then flashes green/red.
   The LED then flashes green, all keypad settings have been reset, all users and administrators deleted. The keypad is in the selected operating mode.

IV

> ℹ **Important!**
> **Administrator also deleted**
>
> Before reprogramming, an administrator must be created.

Difference between operating modes "small building" and "large building"

The factory setting is preset to the operating mode "small buildings".

"Small building" means:

- identical user PINs cannot be assigned
- for door opening, a user PIN only must be entered:

User PIN ⊸○

"Large building" means:

- identical user PINs can be assigned
- for door opening, both a user ID and a user PIN must be entered:

User ID   *   User PIN ⊸○

> ⓘ **Information on start-up**
>
> In operating mode "large building", with the assignment of the "key" button to a switching actuator or door opener the user ID must additionally be entered:
>
> | User ID   *   User PIN ⊸○ |
> |---|

Integration in the door communication system

> ℹ️ **Create administrator and user before start-up**
>
> Before before start-up the keypad in the door communication system, the corresponding administrators and users must be created (from Page 15).

1 Surface-mounted home station
2 Door station with keypad
3 Switching actuator
4 Control device
5 Door opener
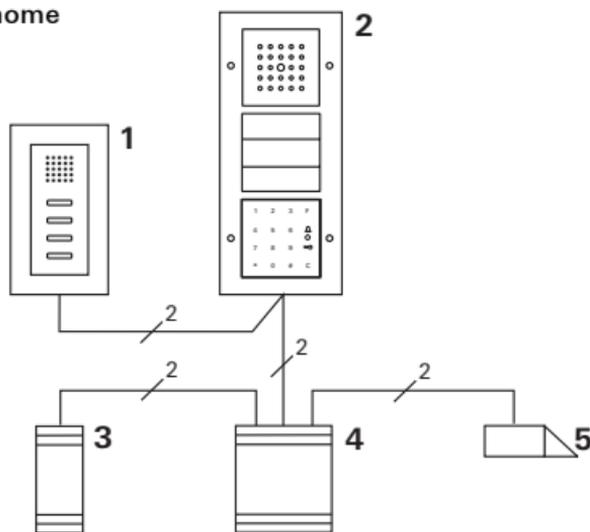
The keypad can be connected to the Gira flush-mounted door stations and to the built-in loudspeaker. The keypad can control up to 16 switching actuators (8 group actuators + 8 individual switching actuators) and the door opener function. In addition, home stations can be called directly from the door communication system.

Full functionality of the switching actuators from index I04.

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Connection to door communication system

The keypad is connected to a door communication bus coupler or call button insert of the Gira door communication system with the accompanying connection cable.
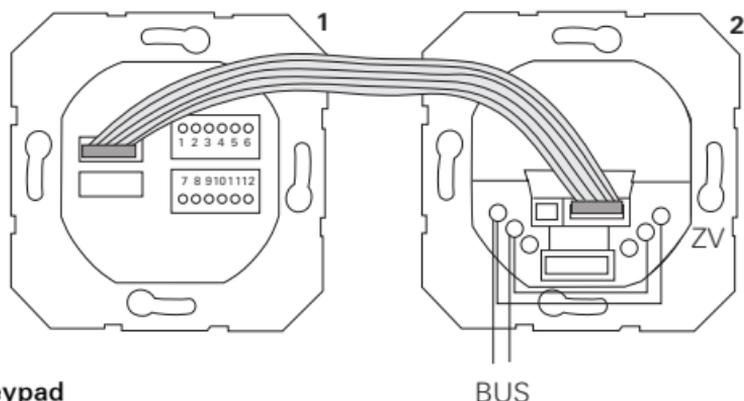
1 Keypad
2 Door communication bus coupler

Power supply for the keypad is possible via the door communication bus. In this case, jumpers between ZV and BUS must be attached to the bus coupler of the door station.

i	**Firstly, start up door communication system**

Before programming of the keypad is begun, the door communication system must be started up.

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Direct assignment/group assignment

Assignment differentiates between:

- **direct assignment** of individual users to an individual switching actuator
- **group assignment** of all users to a switching actuator. With group assignments, all users assigned to the keypad trigger a switching action with the switching actuator. During programming, the admin PIN is entered instead of a user PIN.

---

i **Advantage of group assignment**

With group assignments, all users in a programming step are assigned a common switching actuator.
Users that are created at a later date in the keypad can switch this common switching actuator without further programming.

---

i **Additional acknowledgement tone**

If the switching actuator is assigned in the operating mode "switching", the door station connected to the keypad generates an additional acknowledgement tone.

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**Assignment of
user - specific switching actuator/door opener**

Users must be created in the keypad beforehand (from
Page 16).

1. Press the "Systemprogr." button on the control device for
   3 seconds to start programming mode.
✓ The LED at the control device flashes.
   The keypad generates an acknowledgement tone and the
   LED flashes orange.
   The operating mode LED of the switching actuator
   flashes.
2. Press the button "Progr." at the switching actuator
   (or the button "Türöffnerprogr." of the control device),
   until the LED next to the button flashes.
✓ The keypad generates an acknowledgement tone again.
3. Enter user PIN and press key.

   | User PIN   ⊸○ |

✓ The keypad generates a positive acknowledgement
   signal:
   The switching actuator was assigned successfully.
4. Press the "Systemprogr." button on the control device to
   exit the programming mode.

V | **i**   **Delete assignment of user - switching actuator**

To delete the user - switching actuator assignment, the
teach-in procedure is repeated.

Assignment of user - group switching actuator/group door opener

The following describes how all users stored in the keypad are assigned a group switching actuator or group door opener.

1. Press the "Systemprogr." button on the control device for 3 seconds to start programming mode.
✓ The LED at the control device flashes.
   The keypad generates an acknowledgement tone and the LED flashes orange.
   The operating mode LED of the switching actuator flashes.
2. Press the button "Progr." at the switching actuator (or the button "Türöffnerprogr." of the control device), until the LED next to the button flashes.
✓ The keypad generates an acknowledgement tone again.
3. Enter admin PIN and press key.

   | Admin PIN | ⚷ |

✓ The keypad generates a positive acknowledgement signal:
   The switching actuator was assigned successfully.
4. Press the "Systemprogr." button on the control device to exit the programming mode.

ⓘ Delete assignment of user - switching actuator

To delete the user - switching actuator assignment, the teach-in procedure is repeated.

V

Assigning function button "F" to a switching actuator

1. Press the "Systemprogr." button on the control device for 3 seconds to start programming mode.

✓ The LED at the control device flashes.
  The keypad generates an acknowledgement tone and the LED flashes orange.
  The operating mode LED of the switching actuator flashes.

2. Press the "Progr." button on the switching actuator until the LED next to the button flashes.

✓ The keypad generates an acknowledgement tone again.

3. Press function button "F".

   ```
   F
   ```

✓ The keypad generates a positive acknowledgement signal:
  The switching actuator was assigned successfully.

4. Press the "Systemprogr." button on the control device to exit the programming mode.

> **ℹ Delete assignment of button "F" - switching actuator**
>
> To delete the button "F" - switching actuator assignment, the teach-in procedure is repeated.

V

Assigning bell button to a home station

1. Press the "Systemprogr." button on the control device for 3 seconds to start programming mode.
✓ The LED at the control device flashes.
   The keypad generates an acknowledgement tone and the LED flashes orange.
2. Press "Bell" button. $\boxed{\bigcap}$
✓ The keypad lights up orange, the door station generates a short and a long acknowledgement tone, the keypad flashes orange.
3. Press the button "Light" on the home station for 3 seconds until a short acknowledgement tone is heard.
✓ A long acknowledgement tone confirms successful assignment.
✓ Three short acknowledgement tones indicate faulty assignment. The memory of the home station may already be occupied.
4. Press the "Systemprogr." button on the control device to exit the programming mode.

$\boxed{\mathbf{i}}$ **Assign several home stations per work step**

Up to 20 code assignments can be temporarily stored per step. If more than 20 home stations are to be assigned, the first 20 codes must first be entered and then assigned to the home stations. The remaining codes can then be assigned.

V

Specifically assigning a bell button to a home station

> **i** **Create user**
>
> To specifically assign a bell button to a home station, a user
> must be created in the keypad for this home station
> (Page 16).

1. Press the "Systemprogr." button on the control device for
   3 seconds to start programming mode.
✓ The LED at the control device flashes.
   The keypad generates an acknowledgement tone and the
   LED flashes orange.
2. User ID + press "Bell" button.

   | User ID   🔔 |

✓ The keypad lights up orange,
   the door station generates a short and a long acknowl-
   edgement tone, the keypad flashes orange.
3. Press the button "Light" on the home station for
   3 seconds until a short acknowledgement tone is heard.
✓ A long acknowledgement tone confirms successful
   assignment.
✓ Three short acknowledgement tones indicate faulty
   assignment. The memory of the home station may
   already be occupied.

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4. Press the "Systemprogr." button on the control device to
   exit the programming mode.

Assigning bell button to a switching actuator

With parallel assignment of the bell button to a switching actuator and a home station, first assign the switching actuator, then assign the home station.

1. Press the "Systemprogr." button on the control device for 3 seconds to start programming mode.
✓ The LED at the control device flashes.
   The keypad generates an acknowledgement tone and the LED flashes orange.
   The operating mode LED of the switching actuator flashes.
2. Press the "Progr." button on the switching actuator until the LED next to the button flashes.
✓ The keypad generates an acknowledgement tone again.
3. Press "Bell" button. ⏛
✓ The keypad generates a positive acknowledgement signal:
   The switching actuator was assigned successfully.
4. Press the "Systemprogr." button on the control device to exit the programming mode.

> **ℹ Delete assignment of "Bell" button - switching actuator**
>
> To delete the "Bell" button - switching actuator assignment, the "Progr." button of the switching actuator is pressed for 6 seconds in the active programming mode of the door communication system. In this case, all assignments of this switching actuator are deleted.

V

Specifically assigning the bell button to a switching actuator

To specifically assign the bell button to a switching actuator, a user must be created in the keypad for this switching actuator. With parallel assignment of switching actuator and home station, first assign the switching actuator, then assign the home station.

1. Press the "Systemprogr." button on the control device for 3 seconds to start programming mode.

✓ The LED at the control device flashes.
   The keypad generates an acknowledgement tone and the LED flashes orange.
   The operating mode LED of the switching actuator flashes.

2. Press the "Progr." button on the switching actuator until the LED next to the button flashes.

✓ The keypad generates an acknowledgement tone again.

3. User ID + press "Bell" button.

> **User ID**   △

✓ The keypad generates a positive acknowledgement signal: The switching actuator was assigned successfully.

4. Press the "Systemprogr." button on the control device to exit the programming mode.

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> **i**   **Delete assignment of "Bell" button - switching actuator**
>
> To delete the "Bell" button - switching actuator assignment, take note of information on Page 35.

Relays / actuators – what switches when?

The following rules apply with the basic configuration of the switching actuators assignments:

- The relays of the keypad are not switched as soon as a switching actuator is assigned.
- An individual switching actuator always has a higher priority than a group switching actuator.

Individual actuator	Group actuator	Relay
not assigned	not assigned	switches
not assigned	assigned - switches	does not switch
assigned - switches	assigned – does not switch	does not switch

Extended configuration

In the basic configuration a user switches only the assigned switching actuator. If this user additionally triggers the "group actuator" or a relay of the keypad, the user is assigned a special mode:

Mode	Assigned individual actuator	Assigned group actuator	Assigned relay
1*	switches	does not switch	does not switch
2	switches	switches	does not switch
3	switches	does not switch	switches
4	switches	switches	switches

* Factory setting

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5 rules for selecting the correct mode

Rule 1:
If the door communication system has not been assigned any switching actuators, the relays assigned to the user are always switched.

Rule 2:
If the relays should switch together with a switching actuator (individual/group), mode 3 or 4 must be selected.

Rule 3:
An individual switching actuator assigned to an individual user always has a higher priority than a group switching actuator.

Rule 4:
If a group switching actuator is assigned, it switches in mode 1 as long as no individual switching actuator is assigned.

Rule 5:
If a group switching actuator should switch together with an individual switching actuator, mode 2 or 4 must be selected.

V

Assigning mode to an individual user

To assign the corresponding mode to a user, proceed as follows:

1. Press the "Systemprogr." button on the control device for 3 seconds to start programming mode.
✓ The LED at the device unit flashes.
  The keypad generates an acknowledgement tone and the LED flashes orange.
2. The corresponding mode can be selected with "user PIN + key button":

   User PIN ⚷

✓ With the first entering of the button combination, the current active mode is displayed with acknowledgement tones and flashing of the green LED.

Mode	Indiv. actuator	Group actuator	Relay	Tones	LED
1	YES	NO	NO	1	1-gang
2	YES	YES	NO	2	2-gang
3	YES	NO	YES	3	3-gang
4	YES	YES	YES	4	4-gang

3. If the "key button" is pressed again the keypad changes to the next mode.
4. Repeat step 3 until the desired mode is reached.
5. Press the "Systemprogr." button on the control device to exit the programming mode.

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Assigning mode to a user group

To assign the corresponding mode to a user group, proceed as follows:

1. Press the "Systemprogr." button on the control device for 3 seconds to start programming mode.
✓ The LED at the control device flashes.
   The keypad generates an acknowledgement tone and the LED flashes orange.
2. The corresponding mode can be selected with "admin PIN + key button":

   | Admin PIN | ⌫ |

✓ With the first entering of the button combination, the current active mode is displayed with acknowledgement tones and flashing of the green LED.

| Mode	Indiv. actuator	Group actuator	Relay	Tones	LED
1	YES	NO	NO	1	1-gang
2	YES	YES	NO	2	2-gang
3	YES	NO	YES	3	3-gang
4	YES	YES	YES	4	4-gang

3. If the "key button" is pressed again the keypad changes to the next mode.
4. Repeat step 3 until the desired mode is reached.
5. Press the "Systemprogr." button on the control device to exit the programming mode.

V

Example 1: Starting up stand-alone function

In this example, relay 1 of the keypad switches the door opener.

2 users should be able to open the door with their own PIN.

Switching
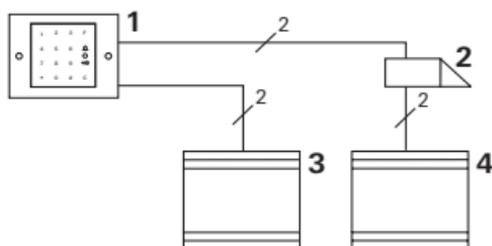
1 Keypad
2 Door opener
3 Power supply
   24 V DC
4 Power supply
   of door opener

Start-up

2 users should be able to open the door

The administrator has ID 1 and selects PIN 1212

User 1 has ID 2 and selects PIN 1234

User 2 has ID 3 and selects PIN 5678

1. Before first start-up, create an administrator
   (ID: 1, PIN: 1212):

* 3 *	1	*	1212	#

2. In administrator mode, create persons 1 and 2 for the
   door opener function (relay 1):

   User 1 (ID: 2, PIN: 1234)

* 1 *	2	*	1234	#

   User 2 (ID: 3, PIN: 5678)

* 1 *	3	*	5678	#

Operation

To open the door, the following combinations must be
entered:

User 1

1234	⊸

User 2

| 5678	⊸

Example 2: Starting up multi-family house with door communication system

In this example, 3 home stations in a multi-family house should be specifically called via the keypad.

Switching
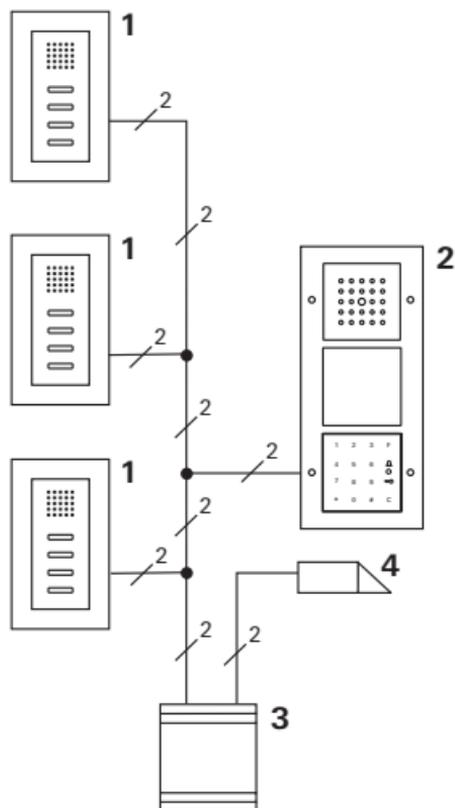
1 Surface-mounted home
   station
2 Door station
3 Control device
4 Door opener

Start-up

The administrator has ID 1 and selects PIN 1212

A user is created for each home station:
for the upper flat: ID 11 with PIN 1234
for the middle flat: ID 22 with PIN 2345
for the lower flat: ID 33 with PIN 3434

1. Before the first start-up, create an administrator
   (ID: 1, PIN: 1212).

* 3 *	1	*	1212	#

2. Create the users for the home stations in administrator
   mode. They are created for relay 1:
   Upper flat (ID: 11, PIN: 1234)

* 1 *	11	*	1234	#

Middle flat (ID: 22, PIN: 2345)

* 1 *	22	*	2345	#

Lower flat (ID: 33, PIN: 3434)

* 1 *	33	*	3434	#

Assigning the flats

1. Start programming mode at the control device.
2. For the upper flat:

11	🔔

For the middle flat:

22	🔔
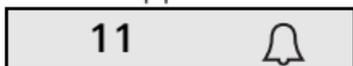
For the lower flat:

33	🔔

3. Press the "Light" button at the upper home station,
   Press the "Light" button at the middle home station,
   Press the "Light" button at the lower home station.
4. Exit programming mode at the control device.

Assigning the door opener

All users should be able to open the door after entering their own PIN. The door opener control of the control device is thus assigned as group actuator:

1. Start programming mode at the control device.
2. Start door opener programming mode at the control device.
3. Carry out the group assignment with the admin PIN (1212):

1212   ⚿
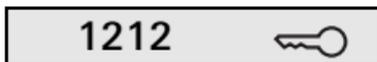
4. Exit programming mode at the control device.

Operation

For calling a home station, select:

User ID   🔔

e.g. for the middle flat:

22   🔔

The door can be opened with the following button combination:

User PIN   ⚿

Occupants of the middle flat open the door with:

2345   ⚿

Example 3: Starting up single-family house with door communication system

In the single-family house, all occupants should be able to open the door.
The outdoor lighting should be switched on via the button "F".

Switching

1 Surface-mounted
  home station
2 Door station
3 Switching actuator
4 Control device
5 Door opener
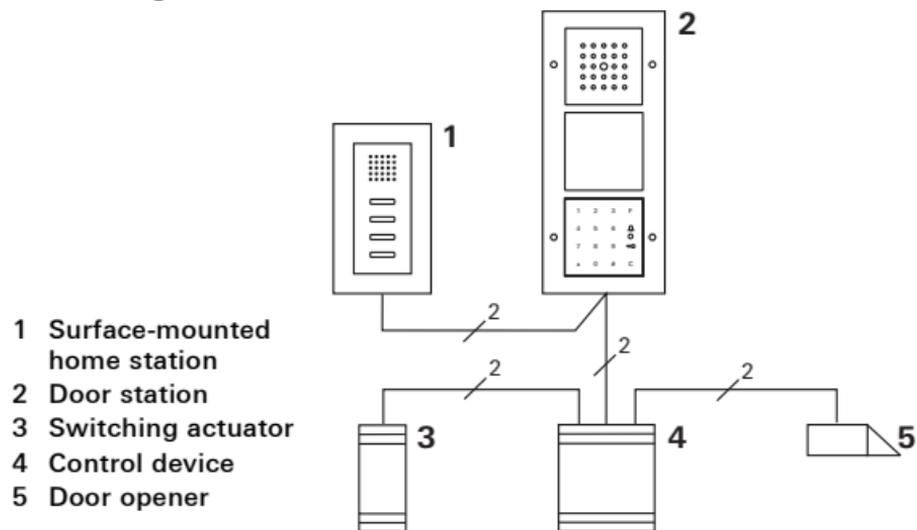
Start-up

The administrator has ID 1 and selects PIN 1212

A user is created with ID 2 and PIN 2345

Before the first startu-up, create an administrator
(ID: 1, PIN: 1212).

*	3	*	1	*	1212	#

In administrator mode create the user for the home station
(ID: 2, PIN: 2345). It is created for relay 1:

*	1	*	2	*	2345	#

Assigning the switching actuator

1. Start programming mode at the control device.
2. Start the programming mode at the switching actuator
   and select the operating mode "Timer/min".
3. Press the function button "F" on the keypad.

F

4. Exit programming mode at the control device.

Assigning the door opener
Users of the house should be able to open the door after entering their PIN:
1. Start programming mode at the control device.
2. Start door opener programming mode at the control device.
3. Carry out the group assignment with the admin PIN (1212):

1212   ⌥
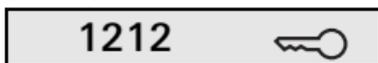
4. Exit programming mode at the control device.

Operation
To switch on the light: Press button "F".

F

The door can be opened with the following button combination:

2345   ⌥
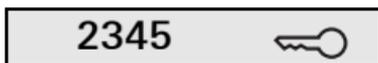
Example 4: Integrating in door communication system without speech function

If no speech function is required, the keypad can be integrated in the door communication system as follows:
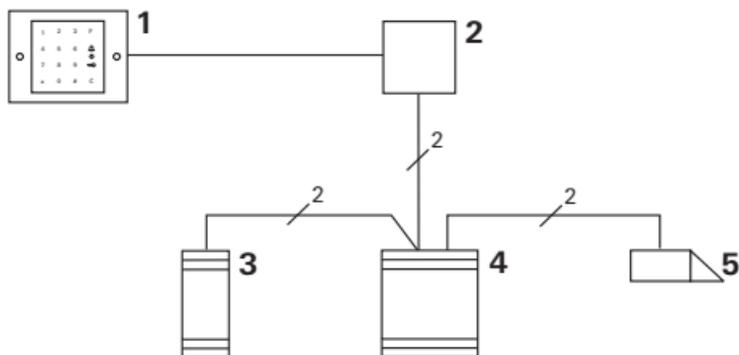
1 Keypad
2 Bus coupler
   door communication
3 Switching actuator
4 Control device
5 Door opener

---

i **Pay attention before start-up!**

Before start-up the bus coupler must be assigned to the control device. For this, a jumper is attached between the ET terminals for 3 seconds in system programming mode.

Removal alarm

The flush-mounted insert generates an alarm signal after removal of the keypad.

With individual device
If the keypad is removed from the flush-mounted insert, a 1-minute continuous tone is emitted.

In door communication system
If the keypad is operated with the door communication system, the removal signal can be forwarded to a switching actuator in addition to the 1-minute continuous tone. Any switching action can then be carried out via the switching actuator.

For this, the switching actuator is assigned as follows:

1. Press the "Systemprogr." button on the control device for 3 seconds to start programming mode.
✓ The LED at the control device flashes.
   The keypad generates an acknowledgement tone and the LED flashes orange.
   The operating mode LED of the switching actuator flashes.
2. Press the button "Progr." at the switching actuator
✓ The keypad generates an acknowledgement tone again.
3. Remove the keypad from the flush-mounted insert.
4. Press the "Systemprogr." button on the control device to exit the programming mode.

Administrators

Administrator	Admin ID	Admin PIN

User

User / Function	User ID	User PIN

Procedure with loss of admin PIN

If the set admin PIN(s) have been lost, administrator mode can be started with use of the release code (Freischaltcode) in order to create a new administrator.

The release code is found on the included security card.

```
Freischaltcode
72 93 31 36

                    Gira Keyless In
                    Safety Card
                    Codetastatur

GIRA
```

1. Start administrator mode with the release code:

   * 0 *   Release code   #

✓ After a positive acknowledgement signal the keypad is in administrator mode.

2. Create a new administrator (see Page 18).

Technical data

Power supply:	24 V DC ± 10% or via the Türko BUS
Protection type:	IP 20 (system 55) IP 44 (TX_44)
Temperature range:	-20 °C to + 70 °C
Resistance to EMD:	up to 16 kV
Relay load capacity:	24 V / 1.6 A AC/DC

> $\boxed{i}$ **Relay protection with free-wheeling diode**
>
> For protection of relay contacts it is recommended to parallel connect a free-wheeling diode when connecting inductive loads (e.g. door openers).

Warranty

We provide a warranty in accordance with the statutory requirements.
Please send the device postage paid with an error description to our central customer service centre.

Gira
Giersiepen GmbH & Co. KG
Service Center
Dahlienstraße 12
D-42477 Radevormwald

GIRA