System 106
Keypad

5550 ...

GIRA

General safety instructions

Electrical devices may only be installed and connected by a qualified electrician!

These instructions are an integral part of the product and must remain with the end customer.

Necessary accessories

- System 106 surface-mounted housing, 1-gang to 5-gang (item no. 5501 ..., 5502 ..., 5503 ..., 5504 ..., 5505 ...) or System 106 flush housing, 1-gang to 5-gang (item no. 5511 ..., 5512 ..., 5513 ..., 5514 ..., 5515 ...)

Accessories

- System 106 voice module (item no. 5563 ..) with call-button module (553. ..) or door station module (item no. 5565 9.).
- Video control device (item no. 1288 00) or audio control device (item no.1278 00).
- Gira home station
- Power supply DC 24 V 300 mA (art. no. 1296 00).

Functional description

The keypad serves as access control with the entry of a personal key combination. Up to 255 codes can be stored. Capacitive switching technology allows for light touch operation. The module can be operated as an individual device or be integrated into the Gira door communication system.
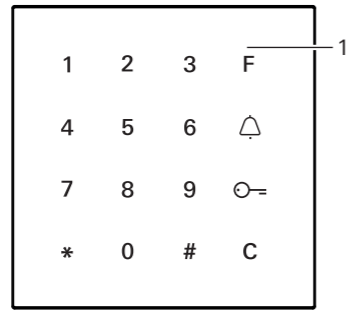
Included contents

1 x System 106 keypad
1 x safety card
1 x operating instructions

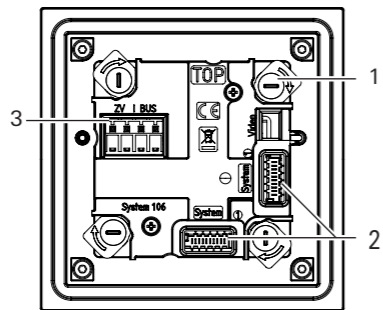Check that the package contents are complete and undamaged. See "Warranty" if this is not the case.

Description of the device

Front view

1   Front plate with keyboard

Rear view

1   Turning bolt (4x)
2   Socket (2x): System cable
3   Screw terminal: TC bus and additional power supply

Areas of application

Use without door communication system

If the keypad is only to be used to trigger switching actions or to open doors without an accompanying voice or video connection, installation without a full door communication system is possible: Instead of a control device, the keypad bus interface can be used, for example, to supply switching actuators, button interfaces or other Keyless In devices. Devices for voice or video connections cannot be connected.

A DC 24 V 300 mA power supply is connected to the additional power supply (AS) terminals of the keypad module to supply the devices. Its voltage is then fed to the TC bus, to which the remaining devices are connected. The bus feed must be activated directly on the device upon start-up of the keypad module.

Due to the devices' different power consumption, the devices sometimes count as multiple devices:

- DCS switching actuator: 1 device
- Button interface: 1 device
- Additional Keyless In devices: 7 devices

When selecting devices, do not exceed the maximum number of 20 devices.

The maximum cable lengths from the DC 24 V additional power supply via the keypad module to the last device are as follows:

- 100 m with 0.6 mm wire diameter
- 150 m with 0.8 mm wire diameter

The keypad module used for the supply can be located at any point.
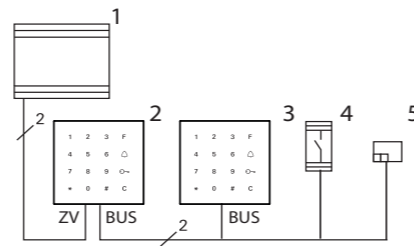
1   Power supply DC 24 V 300 mA
2   System 106 keypad module, supplying the TC bus
3   System 106 keypad module
4   DCS switching actuators
5   Button interface

The TC bus is connected to the keypad module bus terminals. The DC 24 V power supply is connected to the AS terminals. Only one Keyless In module may be connected to this DC 24 V power supply.
The TC bus supply must be activated during start-up. After a factory reset, the TC bus supply is deactivated.

Use as a stand-alone module in the door communication system

The keypad module can be operated in the door communication system independently of door stations.
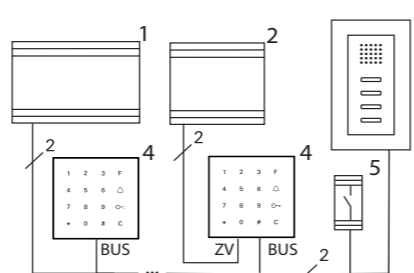
1   Control device
2   DC 24 V power supply
3   Home station
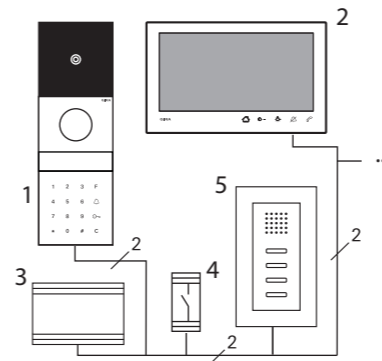4   System 106 keypad module
5   DCS switching actuator

The connection to the TC bus is made using the "Bus" screw terminals. An additional power supply can be connected to the "AS" screw terminals.

If no additional power supply is connected, the keypad module reduces the maximum possible number of devices depending on the control device used as follows:

- Audio control device: The keypad module replaces 16 audio devices.
- Video control device: The keypad module replaces 10 audio or 4 video devices.

Use in a System 106 door station

The system cable can be used to connect the keypad module to System 106 modules and the door communication system. This way, the keypad module can, for example, trigger a switching action from a switching actuator.

1   System 106 door station with Keypad module
2   Surface-mounted video home station 7
3   Video control device
4   DCS switching actuator
5   Home station

Power is supplied via the "System" connection.

Do not assign screw terminals

The keypad module screw terminals "AS" and "Bus" must not be occupied.

If no additional power supply is connected, the keypad module reduces the maximum possible number of devices depending on the control device used as follows:

- Audio control device: The keypad module replaces 16 audio devices.
- Video control device: The keypad module replaces 10 audio or 4 video devices.

Protect the control device against unauthorised access

In areas requiring a high level of security, the control device should be secured (locked) against unauthorised access.

Mounting the module

Mount the module

The following steps can be found in the mounting instruction for the System 106 surface-mounted housing 1- to 5-gang or flush-mounted housing 1- to 5-gang:

- Lock the module to the function carrier.
- Connect the system cable.
- Place terminating resistors.
- Swivel the function carrier into the surface-mounted housing and screw it in place.

Operation

F button – switch

The assigned switching actuator is activated by pressing the "F" button.

C button – correct

The "C" button is used to cancel an incorrect entry. The entire button combination must then be entered again.

♤ button – trigger a door call (only when used with a door station)

In smaller properties, the ♤ button can be used as a call button.
Pressing the ♤ button triggers a door call on the assigned home station.

♤ button – call a specific home station (only when used with a door station)

In properties with multiple home stations, the assigned home stations can be called individually. For this purpose, each home station is assigned its own user ID. The home station is called using the following key combination:

| User ID ♤ |
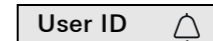
⊙= button – open door

The door is opened using the following key combination:
In "small property" operating mode:

| User PIN ⊙= |

In "large property" operating mode

| User ID * User PIN ⊙= |
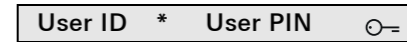
Acknowledgement tones

LED	Tone	Meaning
lights up green	1 x long	positive acknowledgement tone, e.g.: • Input successful
flashes green	-	Device is in delivery state
lights up red	3 x short	negative acknowledgement tone, e.g.: • Code not recognised • Input not correct
lights up light green	-	Administrator mode or SysProg is active

Acknowledgement tone off

If the acknowledgement tone is switched off, no acknowledgement tones sound. Acknowledgements are indicated solely by the LED.

Technical data

Power supply:	via system (flat ribbon cable, 10-pole) or via control device or via AS (DC 24 V 300 mA)
Power consumption Stand-by mode	300 mW (lighting off) 500 mW (level 1) 800 mW (level 2)
Connections:	2 x system 2 x AS 2 x 2-wire bus
Ambient temperature:	-25°C to +70°C
Protection type:	IP54
Dimensions (W x H):	106.5 x 106.5 mm

Warranty

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

Please hand over or send faulty devices postage paid and with a description of the problem to your sales representative (retailer/installation company/electronics retailer),
who will forward the devices to the Gira Service Centre.

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Starting up

Start-up is carried out via the following steps:
- Create first administrator
- Create users
- Configure keypad module
- for use in the door communication system: Assign door-opener/switching actuators

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ⓘ Detailed start-up instructions

Detailed instructions for manual start-up can be found in the Gira download section under:

What is an administrator and a user?

An administrator must be created for start-up. Users are created for operation.

Administrator

An administrator always consists of an admin ID and an admin PIN.
- Admin ID: 1 to 6 digits
- Admin PIN: 1 to 32 digits
  (for configuring the keypad)

User

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

ⓘ Notes regarding the IDs and PINs

It is not possible to assign identical IDs. If an administrator is assigned ID 1, it is not possible for there to be a user with ID 1.

The same PINs can only be assigned in "large property" operating mode. Additional notes regarding the "small property" operating modes

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Commands for creating and deleting administrators

The codes created can be entered in the table on the right hand side.

Function	Key code
Create first administrator	* 3 * admin ID$_{NEW}$ * admin PIN$_{NEW}$ #
Start admin mode	* 0 * admin PIN #
Start admin mode with activation code (lost admin PIN)	* 0 * activation code #
End admin mode	* 0 #

Commands for creating and deleting users and additional administrators

Function	Key code (in active admin mode)
Create users	* 1 * user ID$_{NEW}$ * user PIN$_{NEW}$ #
Create additional administrators	* 3 * admin ID$_{NEW}$ * admin PIN$_{NEW}$ #
Change admin/user PIN	* 4 * admin/user ID * PIN$_{NEW}$ #
Delete admin/user	* 5 * admin/user ID #

Commands for configuring the keypad module

Function	Key code (in active admin mode)
Set backlight level (off, level 1, level 2)	Off: * 61 * 0 # Level 1 min. brightness: * 61 * 1 # Level 2 max. brightness: * 61 * 2 #
Set acknowledgement tone level (on, off)	Off: * 62 * 0 # Level 1 (quiet): * 62 * 1 # Level 2: * 62 * 2 #

Commands for use without door communication system

Function	Key code (in active admin mode)
Switch DCS bus power supply on/off	On: * 8 * 7890# Off: * 8 * 7891#
System programming mode on/off	On: * 7 * 2580 # Off: * 7 * 2581 #

Commands for assigning a switching actuator

Function	Action on the control device/switching actuator	Key code
Assign switching actuator (individual assignment) or Delete assignment	Start system programming mode Switching actuator➜ Progr.	Small property: User PIN + ⊙═ Large property: User ID * user PIN + ⊙═
Assign switching actuator (Group assignment) or Delete assignment	Start system programming mode Switching actuator➜ Progr.	Small property: Admin PIN + ⊙═ Large property: Admin ID * admin PIN + ⊙═

Commands for assignments in the door communication system: Assign door-opener

Before a door opener can be assigned, it must first be connected to the keypad as a one-off operation.

1. Hold down the "System progr." button on the control device for 3 sec. to start the programming mode.
✓ The LED on the control device will start flashing.
  The keypad emits an acknowledgement tone and the LED flashes light green. The operating mode LED on the switching actuator flashes.
2. Press and hold the "Door opener prog." button on the control device until the LED next to the button flashes.
3. ⊙═ must be pressed on the keypad to confirm this action.
4. Press the "System progr." button on the control device to end the programming mode.

Function	Action on the control device/switching actuator	Key code
Assign door-opener (individual assignment) or Delete assignment	Start system programming mode Control device➜ door-opener progr.	Small property: User PIN + ⊙═ Large property: User ID * user PIN + ⊙═
Assign door-opener (Group assignment) or Delete assignment	Start system programming mode Control device➜ door-opener progr.	Small property: Admin PIN + ⊙═ Large property: Admin ID * admin PIN + ⊙═

Commands for assignments in the door communication system: Assign function keys (🔔 only works when being used with a door station)

Function	Action on the control device/switching actuator	Key code
Assign a switching actuator to "F" button or Delete assignment	Start system programming mode Switching actuator➜ Progr.	"F" button
🔔 is assigned a switching actuator	Start system programming mode Switching actuator➜ Progr.	🔔
🔔 is assigned a specific switching actuator	Start system programming mode Switching actuator➜ Progr.	User ID + 🔔
Delete all switching actuators for 🔔	Start system programming mode Switching actuator➜ Progr. 6 sec.	
🔔 is assigned a home station	Start system programming mode	🔔 then on HS 3 sec. ☼
🔔 is assigned a specific home station	Start system programming mode	User ID + 🔔 then on HS 3 sec.: ☼

Overview of administrators

Name	Admin ID	Admin PIN

Overview of users/functions

Name	User ID	User PIN