

Overview for programming  
RFID/fingerprint access system

Item no. 2615507

→ In the following tables, a reference to the chapter number of the main manual is given in the first line to make it easier for you to find the detailed description.

Enabling/disabling programming mode (11.3)	
Procedure	Button combination/operation
Enter programming mode	[*] (Master code) [#]
Exit programming mode	[*]

→ The master code is 1 2 3 4 5 6 by default (or after resetting to factory defaults).

Changing master code (11.4)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	0
3. Enter new master code	(New master code)
4. Confirm entry	[#]
5. Enter new master code again	(New master code)
6. Confirm entry	[#]
7. Exit programming mode	[*]

→ The master code must consist of 6 digits.

Teaching in master fingerprint (11.5.1)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	1
3. Enter memory cell number 99 for the master fingerprint	9 9
4. Confirm entry	[#]
5. Read master fingerprint 3 times	(fingerprint) (fingerprint) (fingerprint)
6. Exit teach-in mode	[#]
7. Exit programming mode	[*]

Deleting master fingerprint (11.5.2)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	2
3. Enter memory cell number 99 for the master fingerprint	9 9
4. Confirm entry	[#]
5. Exit delete mode	[#]
6. Exit programming mode	[*]

Setting the Wiegand interface mode (11.6)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	7
3. Choose mode	7 = Use as an access system (or as a Wiegand controller), factory default or 8 = Use as an external card reader on a Wiegand controller
4. Confirm entry	[#]
5. Exit programming mode	[*]

Selecting access mode (11.7)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	4
3. Select the access mode	0 = Only with a fingerprint or 1 = Only with a transponder or 2 = Only with a PIN or 3 = With a transponder and PIN or 3 + (2 ..... 9) = Multi-user access Example: 3 4 = The changeover contact is activated and access granted only if 4 persons perform a valid access attempt using a transponder strictly one after the other within no more than 5 seconds per person or 4 = With a PIN, transponder or fingerprint (default setting)
4. Confirm entry	[#]
5. Exit programming mode	[*]

Saving user PIN (11.8)	
Option 1: Automatically saving a user PIN in the next free memory cell (11.8.1)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	1
3. Enter PIN	(enter PIN), 4 to 6 digits PIN "8888" cannot be used!
4. Save PIN	[#]
5. Exit storage mode	[#]
6. Exit programming mode	[*]

→ To save multiple user PINs one after the other, repeat steps 3 and 4.

Saving user PIN (11.8)	
Option 2: Assigning a user PIN to a specific memory cell (11.8.2)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	1
3. Enter memory cell number	(Memory cell number), from 1 0 0 ..... 9 8 9
4. Confirm entry	[#]
5. Enter PIN	(enter PIN), 4 to 6 digits PIN "8888" cannot be used!
6. Save PIN	[#]
7. Exit the storage mode	[#]
8. Exit programming mode	[*]

→ To save multiple user PINs one after the other, repeat steps 3 to 6.

Deleting user PIN (11.9)	
First option: Deleting a user PIN (11.9.1)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	2
3. Enter PIN	(enter PIN), 4 to 6 digits
4. Delete PIN	[#]
5. Exit delete mode	[#]
6. Exit programming mode	[*]

→ To delete multiple user PINs one after the other, repeat steps 3 and 4.

Deleting user PIN (11.9)	
Second option: Deleting a user PIN via memory cell number (11.9.2)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	2
3. Enter memory cell number	(Memory number), optional 1 0 0 ..... 9 8 9
4. Confirm entry	[#]
5. Exit delete mode	[#]
6. Exit programming mode	[*]

→ To delete multiple memory cells one after the other, repeat steps 3 and 4.

Teaching in user transponders (11.11)	
First option: Automatically saving a user transponder in the next free memory cell (11.11.1)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[1]
3. Teach-in transponder	(Read transponder)
4. Exit pairing mode	[#]
5. Exit programming mode	[*]

→ To teach in multiple user transponders one after the other, repeat step 3. The memory cell number is automatically increased by one.

Teaching in user transponders (11.11)	
Second option: Assigning a user transponder to a specific memory cell (11.11.2)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[1]
3. Enter memory cell number	(Memory number), optional [1] [0] [0] ..... [9] [8] [9]
4. Confirm entry	[#]
5. Pair transponder	(Read transponder)
6. Exit pairing mode	[#]
7. Exit programming mode	[*]

→ To teach in multiple user transponders one after the other, repeat steps 3 to 5.

Deleting user transponder (11.12)	
First option: Deleting a user transponder via transponder (11.12.1)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[2]
3. Delete transponder	(Read transponder)
4. Exit delete mode	[#]
5. Exit programming mode	[*]

→ To delete multiple user transponders one after the other, repeat step 3.

Deleting user transponder (11.12)	
Second option: Deleting a user transponder via transponder number (11.12.2)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[2]
3. Enter transponder number (8/10 digits)	(Transponder number) = enter an 8- or 10-digit number printed on the transponder
4. Confirm entry	[#]
5. Exit delete mode	[#]
6. Exit programming mode	[*]

→ To delete multiple user transponders one after the other, repeat steps 3 and 4.

Deleting user transponder (11.12)	
Option 3: Deleting a user transponder via memory cell number (11.12.3)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[2]
3. Enter memory cell number	(Memory number), optional [1] [0] [0] ..... [9] [8] [9]
4. Confirm entry	[#]
5. Exit delete mode	[#]
6. Exit programming mode	[*]

→ To delete multiple memory cells one after the other, repeat steps 3 and 4.

Teaching in a user fingerprint (11.13)	
First option: Automatically saving a user fingerprint in the next free memory cell (11.13.1)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[1]
3. Read fingerprint 3 times	(fingerprint) (fingerprint) (fingerprint)
4. Exit pairing mode	[#]
5. Exit programming mode	[*]

→ To teach in multiple user fingerprints one after the other, repeat step 3.

Teaching in a user fingerprint (11.13)	
Second option: Assigning a user fingerprint to a specific memory cell (11.13.2)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[1]
3. Enter memory cell number	(memory cell number), from [0] ..... [9] [8]
4. Confirm entry	[#]
5. Read fingerprint 3 times	(fingerprint) (fingerprint) (fingerprint)
6. Exit pairing mode	[#]
7. Exit programming mode	[*]

→ To teach in multiple user fingerprints one after the other, repeat steps 3 to 5. Do not enter the leading zero for single-digit memory cell numbers (0 to 99).

Deleting user fingerprint (11.14)	
First option: Deleting a user fingerprint via fingerprint (11.14.1)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[2]
3. Perform the deletion process	(fingerprint)
4. Exit delete mode	[#]
5. Exit programming mode	[*]

→ To delete multiple user fingerprints one after the other, repeat step 3.

Deleting user fingerprint (11.14)	
Second option: Deleting a user fingerprint via memory cell number (11.14.2)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[2]
3. Enter memory cell number	(Memory number), optional [0] ..... [9] [8]
4. Confirm entry	[#]
5. Exit delete mode	[#]
6. Exit programming mode	[*]

→ To delete multiple memory cells one after the other, repeat steps 3 and 4.

#### Use master transponder or master fingerprint to teach in a user transponder (11.11) or user fingerprint (11.13)

→ Instead of accessing the teach-in mode by entering the master code and the respective programming code (as described above), you can hold the master transponder **once** in front of the reading area or touch the fingerprint sensor **once** with the master fingerprint. This activates the teach-in mode, and the LED indicator lights up yellow.  
You can also exit the teach-in mode/programming mode in the same way.

#### Use master transponder or master fingerprint to delete a user transponder (11.12) or user fingerprint (11.14)

→ Instead of accessing the delete mode by entering the master code and the respective programming code (as described above), you can hold the master transponder **twice** in front of the reading area or touch the fingerprint sensor **twice** with the master fingerprint. This activates the storage mode, and the LED indicator lights up yellow.

The master transponder or master fingerprint must be read twice within 5 seconds to ensure the correct activation of the delete mode.

To exit delete mode/programming mode, hold the master transponder **once** in front of the reading area or touch the fingerprint sensor **once** with the master fingerprint.

#### Clearing all memory cells (11.15); this option clears all 890 user transponders, 10 visitor transponders, 99 user fingerprints and the master fingerprint

Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[2]
3. Enter master code	(Master code)
4. Confirm entry	[#]
5. Leave delete mode	[#]
6. Exit programming mode	[*]

→ The master transponder is retained.

Setting the changeover contact activation time (11.16)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[3]
3. Changeover contact activation time	[1] ..... [9] [9] = 1 - 99 seconds or [0] = Toggle operation
4. Confirm entry	[#]
5. Exit programming mode	[*]

→ The activation period in the basic default settings (or after resetting to factory defaults) is 5 seconds. In toggle mode, each valid access attempt switches the changeover contact to the other position.

Enabling or disabling protection against incorrect entries (11.17)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[6]
3. Select protection function	[0] = Protection function is disabled (default setting) or [1] = 10-minute lock (during this time, you cannot access the system with a valid PIN/transponder/fingerprint or via the keypad; the master transponder and master fingerprint have no function) or [2] = Lock with alarm for 1 to 3 minutes (alarm time can be set as described in section 11.18); lock and alarm can be early terminated using a valid PIN, transponder or fingerprint
4. Confirm entry	[#]
5. Exit programming mode	[*]

→ After enabling the [2] function, you must set the alarm time from 1 to 3 minutes (default setting: 1 minute).

Setting the alarm time for protection function (11.18)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[5]
3. Set alarm time	(alarm duration); from [1] to [3] minutes
4. Confirm entry	[#]
5. Exit programming mode	[*]

Teaching in a visitor transponder (11.19.1)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[1]
3. Enter memory cell number	(Memory number), optional [9] [9] [0] ..... [9] [9] [9]
4. Confirm entry	[#]
5. Enter the number of access attempts for a visitor transponder	(number of access attempts), from [0] to [9] (the number "0" represents 10 access attempts)
6. Confirm entry	[#]
7. Pair transponder	(Read transponder) or (Transponder number) = enter an 8- or 10-digit number printed on the transponder
8. Exit pairing mode	[#]
9. Exit programming mode	[*]

→ To teach in multiple visitor transponders one after the other, repeat steps 3 to 7. Only when all transponders have been entered, follow steps 8 and 9 to end the pairing mode and the programming mode.

Once the preset number of access attempts for the visitor transponder has been used, the access system automatically deletes the transponder from the memory. A new visitor transponder can now be assigned to the cleared memory cell number.

You can delete the visitor transponder before all access attempts have been used by following the procedure for deleting user transponders referred to in section 11.12.

Saving a visitor PIN (11.19.2)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[1]
3. Enter memory cell number	(Memory number), optional [9] [9] [0] ..... [9] [9] [9]
4. Confirm entry	[#]
5. Enter the number of access attempts for a visitor PIN	(number of access attempts), possible is [0] ..... [9] (the number "0" represents 10 access attempts)
6. Confirm entry	[#]
7. Enter PIN	(enter PIN), 4 to 6 digits PIN "8888" cannot be used!
8. Save PIN	[#]
9. Exit the storage mode	[#]
10. Exit programming mode	[*]

→ To save multiple visitor PINs one after the other, repeat steps 3 to 8.

Once the preset number of access attempts for the visitor PIN has been used, the access system automatically deletes the PIN from the memory. A new visitor PIN can now be assigned to the cleared memory cell number.

You can delete the visitor PIN before all access attempts have been used by following the procedure for deleting user PINs referred to in section 11.9.

Enabling/disabling visual and acoustic indication (11.20)	
Procedure	Key combination/operation
1. Enter programming mode	[*] (Master code) [#]
2. Enter programming code	[7]
3. Enter function	[0] = Beeps disabled or [1] = Beeps enabled (default setting) or [2] = LED disabled or [3] = LED enabled (default setting) or [4] = Button illumination disabled or [5] = Button illumination enabled or [6] = Button illumination is activated when you press the button (the first button press only activates the button illumination); the button illumination is automatically disabled if no button is pressed within 20 seconds (factory default)
4. Exit the setting mode	[#]
5. Exit programming mode	[*]

Setting the Wiegand input data format (11.22)	
Procedure	Key combination/operation
1. Enter programming mode	<b>*</b> (Master code) <b>#</b>
2. Enter programming code	<b>8</b>
3. Enter function	<b>2</b> <b>6</b> ..... <b>4</b> <b>4</b> = Bit rate 26 to 44 bit (default setting 26 bit) or <b>4</b> = PIN input format 4 bit (default setting) or <b>8</b> = PIN input format 8 bit or <b>1</b> <b>0</b> = PIN input format 10 bit or <b>0</b> = Parity bit disabled or <b>1</b> = Parity bit enabled (default setting)
4. Exit the setting mode	<b>#</b>
5. Exit programming mode	<b>*</b>

→ For readers with a bit rate of 32 or 40 bit, the parity bit must be disabled.

Setting the Wiegand output data format (11.23)	
Procedure	Key combination/operation
1. Enter programming mode	<b>*</b> (Master code) <b>#</b>
2. Enter programming code	<b>8</b>
3. Enter function	<b>2</b> <b>6</b> ..... <b>4</b> <b>4</b> = Bit rate 26 to 44 bit (default setting 26 bit) or <b>4</b> = PIN output format 4 bit (default setting) or <b>8</b> = PIN output format 8 bit or <b>1</b> <b>0</b> = PIN output format 10 bit or <b>0</b> = Parity bit disabled or <b>1</b> = Parity bit enabled (default setting)
4. Exit the setting mode	<b>#</b>
5. Exit programming mode	<b>*</b>

→ For the Wiegand controller interface with a bit rate of 32 or 40 bit, the parity bit must be disabled.