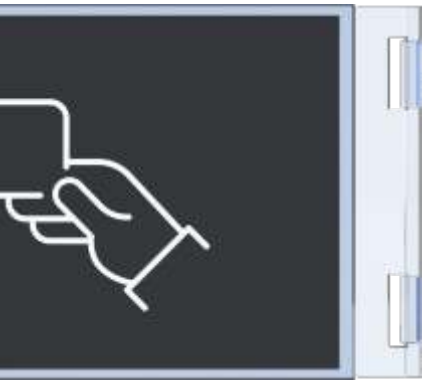
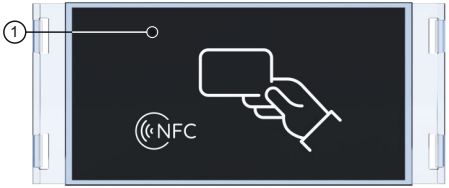


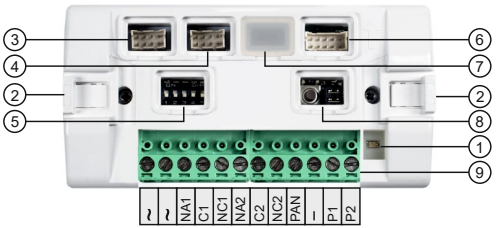
supra

S3501/NFC READER

50124633 TS3501/NFC ML REV.0226

DESCRIPTION OF THE S3501/NFC ACCESS CONTROL MODULE





1. Status indicator lights
2. Frame attachment tabs
3. IN connector to the previous module
4. OUT connector to the next module
5. Local programming switches
6. Wiegand connector
7. Internal use. Not removing the cap
8. Programming button and tamper alarm jumper
9. Installation terminals
   - ~, ~ : Power input (12Vac or 18Vdc)
   - NA1: Relay 1 normally open contact
   - C1: Relay 1 common contact
   - NC1: Relay 1 normally closed contact
   - NA2: Relay 2 normally open contact
   - C2: Relay 2 common contact
   - NC2: Relay 2 normally closed contact
   - PAN: Panic Output (12Vdc/50mA Max)
   - – : Negative
   - P1: Relay 1 remote activation contact
   - P2: Relay 2 remote activation contact

Note: Replace the caps once the adjustments are complete.

CONNECTION TO SUPRA VIDEO INTERCOM PANELS

If the module is part of a Supra video intercom panel, use the supplied cable to connect it to the rest of the modules on the panel. Do it as shown in the instruction manual of the video intercom module.

Note on the management of the relays of the video intercom module.

- Relay 1: named as R3 in the access control module. If the activation is carried out from the apartment monitor, the activation time defined in the video intercom module will be used. If the activation is carried out from the access control module, the activation time defined in the access control module will be used.
- Relay 2: if the activation is carried out from the apartment, only the relay of the video intercom module will be activated. If activation is performed from the access control module, the R2 relays of both modules will be activated simultaneously, each with its own activation and delay times.

ABOUT THE CARDS

This module is compatible with NFC/US cards (code 11812100) and TAGNFC/US key fobs (code 11812125) for the creation of "Users" and "Master". For "Installer" cards, NFC/IN (code 11812105) must be used.

Note: once a "User" card has been registered, it cannot be changed to "Master", nor vice versa. The same card can be registered in several modules.

LOCAL PROGRAMMING VIA SWITCHES

Add "Installer" cards

The "Installer" cards allow you to activate the module's Wi-Fi network without having to access the back.

Set switch 4 to ON: the indicator lights will flash red. Show the NFC/IN installer card you want to register on the reader: the indicators will light up green for 1 second and the module will emit 2 tones. Repeat the process to add more "Installer" cards (maximum 5). If any of the cards were already memorized, the indicator lights will flash quickly in red.

To finish the process, set switch 4 to OFF: the indicator lights will turn off.

Remove all "Installer" cards

Set switches 1 and 4 to ON: the indicator lights will flash red. Press the programming button for 5 seconds: the indicator lights will flash red rapidly. The indicators will then light green for 1 second and the module will emit 2 tones confirming the removal of the cards.

To finish the process, set switches 1 and 4 to OFF: the indicator lights will turn off.

Add "Master" cards

"Master" cards allow you to manage "User" cards without having to access the back of the module. Cards added from this local programming will belong to "Group" 0. To assign them to a different group, Wi-Fi programming must be used.

Set switch 2 to ON: the indicator lights will flash red. Bring the NFC/US user card you want to register on the reader as a "Master" card: the indicators will light up green for 1 second and the module will emit 2 tones. Repeat the process to add more "Master" cards (maximum 30). If any of the cards were already memorized, the indicator lights will flash quickly in red.

To finish the process, set switch 2 to OFF: the indicator lights will turn off.

Remove all "Master" cards

Set switches 1 and 2 to ON: the indicator lights will flash red. Press the programming button for 5 seconds: the indicator lights will flash red rapidly. The indicators will then light green for 1 second and the module will emit 2 tones confirming the removal of the cards.

To finish the process, turn switches 1 and 2 to OFF: the indicator lights will turn off.

Add "User" cards

The cards added from this local programming will belong to "Group" 0 and activate all the relays simultaneously. To assign them to a different group, or to activate a different relay combination, Wi-Fi programming must be used.

Set switch 3 to ON: the indicator lights will flash red. Show the NFC/US user card you want to register on the reader: the indicators will light up green for 1 second and the module will emit 2 tones. Repeat the process to create more "User" cards (maximum 2000). If any of the cards were already memorized, the indicator lights will flash quickly in red.

To finish the process, set switch 3 to OFF: the indicator lights will turn off.

Delete all "User" cards

Set switches 1 and 3 to ON: the indicator lights will flash red. Press the programming button for 5 seconds: the indicator lights will flash red rapidly. The indicators will then light green for 1 second and the module will emit 2 tones confirming the removal of the cards.

To finish the process, turn switches 1 and 2 to OFF: the indicator lights will turn off.

Remove all cards (except "Installer")

Set switches 1, 2 and 3 to ON: the indicator lights will flash red. Press the programming button for 5 seconds: the indicator lights will flash red rapidly. The indicators will then glow green for 1 second and the module will emit 2 tones confirming the removal of the cards.

To finish the process, set switches 1, 2 and 3 to OFF: the indicator lights will turn off.

Modification of the activation time of relay 1 (card access)

Set switch 5 to ON: the indicator lights will flash red. Press the programming button and hold it: the indicators will flash green. Each blink increases the factory activation time (3 seconds) by 1 second (maximum 99 seconds). Once the desired time has been reached, stop pressing the programming button. The indicators will light up green for 1 second and the module will emit 2 tones confirming that the new time has been recorded.

To reset the time to factory setting, press the programming button once.

To finish the process, set switch 5 to OFF: the indicator lights will turn off.

Modification of the activation delay times of relays 1 and 2 (access via external pushbuttons)

Set switch 5 to ON: the indicator lights will flash red. Short-circuit the P1 and – (relay 1) or P2 and – (relay 2) terminals of the module and hold them: the indicators will flash green. Each blink increases the factory activation time (0 seconds) by 1 second (maximum 99 seconds). Once the desired time has been reached, stop short-circuiting the terminals. The indicators will light up green for 1 second and the module will emit 2 tones confirming that the new time has been recorded.

To reset the time to factory value, short-circuit the P1 and – (relay 1) or P2 and – (relay 2) terminals once.

To finish the process, set switch 5 to OFF: the indicator lights will turn off.

Enabling/disabling module confirmation tones

The module emits tones (factory setting) to confirm whether access has been allowed or denied.

To turn off confirmation tones, set all switches to OFF. Press the programming button and simultaneously place switch 5 in the ON and then OFF position. The indicators will flash green for 2 seconds and the module will not emit any confirmation tone.

Repeat the above process to turn the confirmation tones back on. At the end of the process, the module will emit 2 confirmation tones.

USER MANAGEMENT VIA "MASTER" CARD

"Master" cards allow you to add or remove user and installer cards without needing to access the back of the module. "Master" cards must be created as above. Cards added or removed will belong to the same "Group" as the "Master" card being used.

Add "User" and "Installer" cards

Show the "Master" card to the proximity reader. The indicator on the reader will light up red. Show one by one the "User" or "Installer" cards that you want to add. Each time a card is added, the indicator will glow green for 1 second and the module will emit 2 tones. If the card was already added to the module, the indicator will flash red rapidly.

Once all cards are added, show the "Master" card back to the proximity reader. The indicator light on the front will turn off.

Remove "User" and "Installer" cards

Show the "Master" card to the proximity reader. The indicator on the reader will light up red. Show the "User" or "Installer" card you want to remove until the indicator lights up green for 1 second and the module emits 2 tones. Repeat the process to erase the rest of the cards.

Once all cards are erased, show the "Master" card to the proximity reader. The indicator light on the front will turn off.

ADVANCED PROGRAMMING VIA WI-FI

Wi-Fi programming allows you to modify all the parameters of the access control module, with the exception of the management of the installer cards.

There are two ways to activate the module's Wi-Fi network, both with the module in the standby state:

- While pressing the programming button, place switch 4 in the ON position and then OFF.
- Show an installer card to the module, which must be registered in the module as described in previous sections.

To indicate that the Wi-Fi network is activated, the module will emit four tones and the indicator lights will flash red. From a smartphone, tablet, or computer, search for the Wi-Fi network "Golmar_S3501/NFC_*MAC address*" and connect to it. The indicator lights will flash green to indicate that the connection has been successful. Open the internet browser (the use of the Google Chrome browser is recommended) and enter the https://192.168.1.254 address to access the module's web server, or scan the QR code.

When accessing the module's web server, the browser will load all parameters.

Important: Loading may take a few minutes: do not refresh the browser page to avoid the loading starts again.

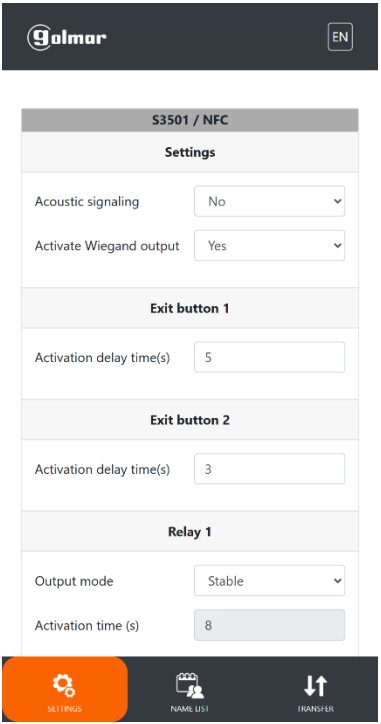
To end the Wi-Fi connection, press the programming button again or show the installer card again. The module will automatically exit programming mode 10 minutes after the loss of connection to the Wi-Fi device or after saving the changes from the browser. Changes made are not saved in the access control module automatically. Once all changes are complete, they must be sent from the data transfer screen. The module will emit a long tone to indicate the output of the programming mode.

WEB BROWSER DESCRIPTION

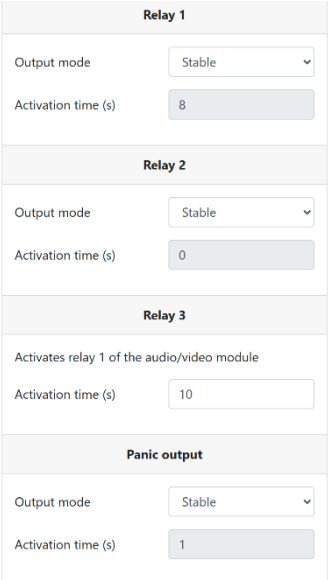
The web browser is divided into three screens or tabs: settings, calendar, and transfer. You can change the language using the button at the top right of the browser.

SETTINGS tab

- Acoustic signalling. Enables or disable access confirmation tones for allowed or denied access.
- Activate Wiegand output. Enable or disable the Wiegand output for connection to access control panels.
- Exit button 1 activation delay time. Allows you to select the time (0 to 99 sec.) that elapses between pressing the button and the activation of the corresponding relay.
- Exit button 2 activation delay time. Allows you to select the time (0 to 99 sec.) that elapses between pressing the button and the activation of the corresponding relay.
- Relay 1 output mode. Defines whether relay 1 changes state and remains (Stable) or returns to the initial state (Single shot) after the defined activation time.
- Relay 1 activation time. Sets the time (0 to 99 sec.) that relay output 1 remains active when activated.



- Relay 2 output mode. Defines whether relay 2 changes state and remains (Stable) or returns to the initial state (Single shot) after the defined activation time.
- Relay 2 activation time. Sets the time (0 to 99 sec.) that relay output 2 remains active when activated.
- Relay activation time 3. Sets the time (0 to 99 sec.) that relay 1 of the door panel video module remains active.
- Panic output mode. Defines whether the panic output changes state and remains (Stable) or if it returns to the initial state (Single shot) after the defined activation time.
- Panic output activation time. Sets the time (0 to 99 sec.) that the panic output remains active.



AGENDA tab

From this tab you can manage the cards of the access control module. If this is the first time the module is accessed and no cards have been added using local programming, the list will appear empty.

The available features are:

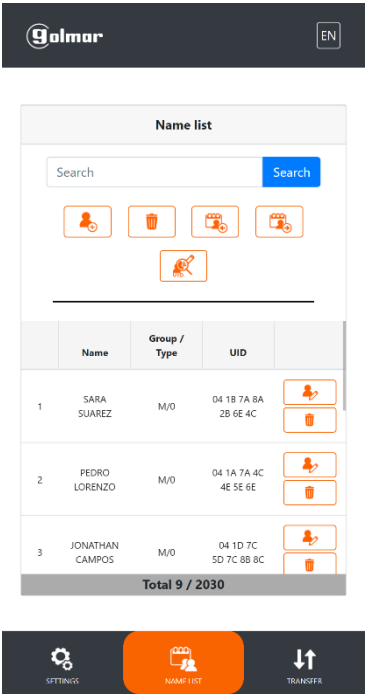
Add card

Remove all or a group of cards

Import name list from a CSV file

Export name list to a CSV file

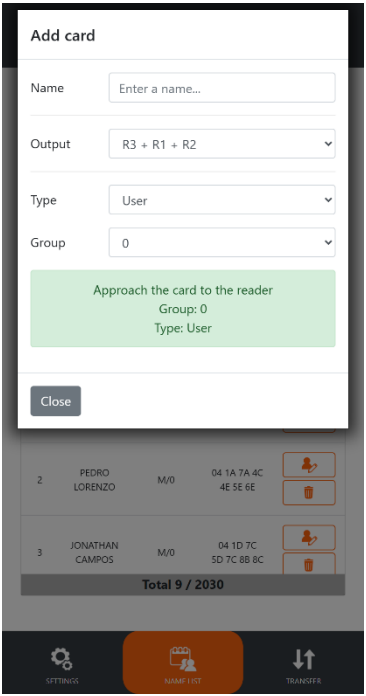
Find card



Add Card

- Name. Enter a name (optional) to identify the owner of the card.
- Output. Select which relays will be activated when presenting the card in the module. Relays R1 and R2 are located in the access control module, while relay R3 corresponds to relay 1 of the video intercom module (if any). P corresponds to the panic exit.
- Type. Select the type of card: "User" or "Master". In the case of a "Master" card, the "Output" field disappears.
- Group. User cards can be grouped into up to 30 groups. Each "Master" card can only manage user cards associated with its group. If you do not want to use different groups, select the value 0.

Once the information is completed, show the card to be added on the reader. If it's a new card in the reader, you'll see the message "Card added successfully". If the card is already added to the reader, the message "The UID entered already exists" will appear. It is possible to continue adding cards without leaving this screen.



Find Card

It allows you to search for a card within the name list. To do this, the card must be presented to the reader.

It is also possible to search for a card or group of cards using the search engine at the top of the page.

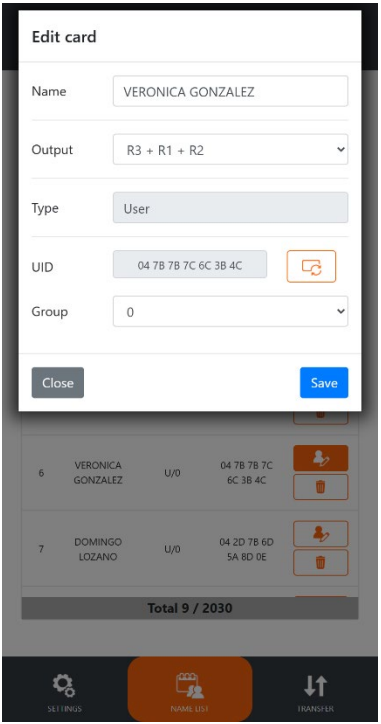
Individually, the following actions can be carried out on each card in the agenda:

Edit Card

In the case of "User" cards, it is possible to edit all fields, except for the type of card.

In the case of "Master" cards, only the "Name" field can be edited. If you want to change the group, click the icon .
Once the group has been changed, press "OK" and swipe the card being edited when prompted.

To replace one card with another, tap the icon and swipe the new card when prompted. The new card will be of the same type as the replaced one.



Delete Card

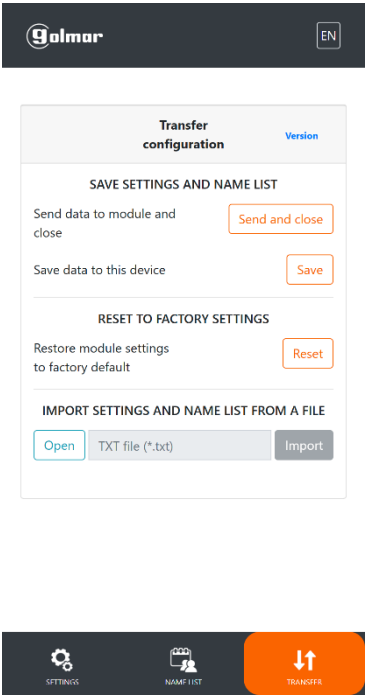
Allows you to erase the selected card.

TRANSFER tab

To save the changes, click "Send and close." The data will be sent to the reader module, and the device will exit Wi-Fi advanced programming mode.

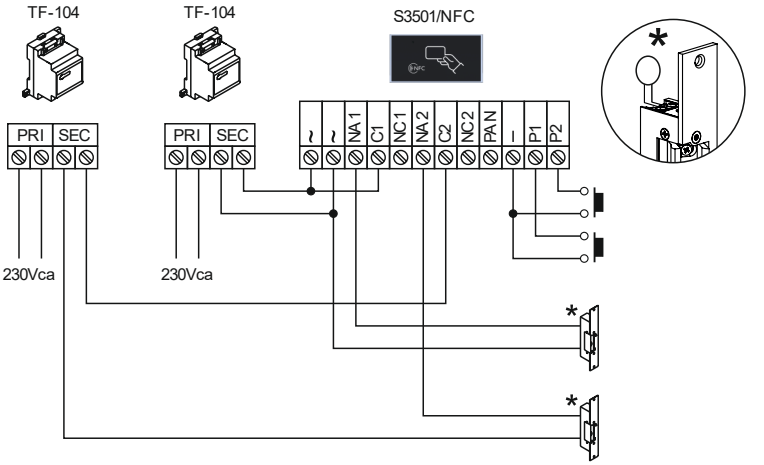
It's recommended to make a backup copy on your portable device by clicking "Save." This way, if the reader module fails, you can import the saved configuration to a new module.

Using the “Reset” button, the reader module is returned to factory settings.



INSTALLATION DIAGRAM.

Connection of AC locks (12Vac / 850mA max) and exit buttons



*** Place the supplied varistor on the lock terminals**

Wiegand device connection: contact Golmar

SIMPLIFIED EU DECLARATION OF CONFORMITY

Golmar Sistemas de Comunicación S.A. declares that the types of radio equipment:
12583501 S3501/NFC READER MODULE
are compliant with European Directive **2014/53/EU.** Wi-Fi frequency band: 2.4GHz. Output power (max): 18dBm.

The full text of the EU declaration of conformity is available at the https://www.golmar.es address.

Note: The operation of this equipment is subject to the following conditions:

1. This device may not cause harmful interference, and
2. You must accept any interference received, including interference that may cause undesired operation.

Sistemas de comunicación S.A.

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