

DGS-13.56MHZ MIFARE + TOUCH PASSWORD PANEL

DGS

User Manual V1.1





Please read the instructions carefully before you start using your device. You fulfil step by step necessary specifications like installing settings, electrical connections and first operate system configurations carefully. After this stage, product owner/user have to keep this manual on known and visible place throughout product life.

- Use the product only indoors and in dry environments.
- Keep the product in a dry place.
- All service and repairs can only be done by Kontal Elektronik technical service. The product should not be intervened by any other persons.
- Each product working voltage is described on own label. Do not supply the product with a different source outside this voltage range.



If the product is used in violation of the above-mentioned items, it may cause fire, personal injury, or damage to the product or the structure in which the product is installed. Kontal Elektronik Ltd does not accept any responsibility for such situations caused by the user

- ✓ This exclamation mark will be used to highlight important points.



Do not touch supply input of the product with bare hands.

- ✓ This electric mark will be used to highlight electricity hazard.



- ✓ This sign on the label indicates that the supply voltage of the product is DC.



This symbol on the product or its box indicates that this product cannot be treated as normal household waste. Instead, the product should be delivered to designated collection points for the recycling of electronic equipment. Incorrect disposal of the product can have negative consequences for the environment and human health.



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1.DEFINITION

The Touch Password Panel System is a touch-based access control device equipped with capacitive touch buttons for PIN entry or RFID card authentication. This system allows you to activate access points such as doors or turnstiles, or it can be used for triggering compatible systems

2. TECHNICAL FEATURES

Model	: DGS
Product Code	: K014-01
Operating Voltage	: 12 – 24V DC
Operating Current	: 45mA @24V DC
Card Operating Frequency	: 13,56MHz
Card Capacity	: 2000 Pcs
Password Capacity	: 1000 Pcs
Contact Type	: Dry Contact / NO
Maximum Contact Power	: 48V 1A
Contact Duration	: 0,5 – 99 sec
Weight	: 131gr
Dimensions	: 78 x 137 x 26mm

Bell Function

Steps	Function Buttons	Description
1.		By pressing the 'Bell' button, the bell relay can be activated. When the relay is active, the RED and BLUE LEDs on the system will light up simultaneously.

Entering User Password

Steps	Function Buttons	Description
1.		The default user PIN is '0000'. If you have changed your PIN, please use the updated PIN to access the system.
2.		After entering your PIN, you can press the 'Lock' button to trigger the lock relay and unlock your door.

If the PIN is correct, the BLUE LED will light up, and the door unlock relay will be triggered. If the PIN is incorrect, the RED LED will light up. After five consecutive incorrect PIN entries, the system will lock, and the buzzer will sound at 1-second intervals for a total of 15 seconds. The system will then reset to its normal state.

Entering User Card

Steps	Function Buttons	Description
1.		By bringing the registered card close to the card reader icon on the device, you can trigger the lock relay and unlock your door.

If the card is registered, the BLUE LED will light up, and the door unlock relay will be triggered.

If the card isn't registered, the RED LED will light up. After three consecutive invalid attempts, the system will lock, and the buzzer will sound at 1-second intervals for a total of 15 seconds. The system will then reset to its normal state.

Access to Settings Menu

Steps	Function Buttons	Description
1.		Press the lock button three times.
2.		The system's lights will blink three times. The Blue LEDs will continue blinking until the 'Lock' button is pressed.
3.	   	After step 2, you will need to enter the 'Administrator' PIN to access the 'SETTINGS' menu. The default administrator PIN is '1 2 3 4'. If you have changed your PIN, please use the updated PIN to access the system.
4.		Press the 'Lock' button to verify your PIN.

If the PIN is correct, the LED will light up BLUE and will remain on as long as you stay in this menu. If no action is taken within 10 seconds, the buzzer will emit a single 'Beep' sound, and you will be automatically logged out of the settings menu.

If the PIN is incorrect, the LED will blink RED, and you will be logged out of the settings menu.

Add User Password

To add a user PIN, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is constantly BLUE, you can proceed with adding the user PIN.

Steps	Function Buttons	Description
1.	 	To add a user PIN, press the '7' and 'Lock' buttons in sequence
2.	 	Enter the user number where the PIN will be saved, then press the 'Lock' button. (The user number can be any value between 1 and 1000.)
3.	   	After step 2, enter the new PIN. The PIN should consist of digits 0-9 only. You can set a PIN up to 12 digits long.
4.		Press the 'Lock' button to assign the new PIN.
5.		Press the 'Bell' button to exit the save menu. If no action is taken for approximately 10 seconds, you will be automatically logged out of the save menu.

If the PIN addition is successful, the buzzer will emit four 'beep' sounds, and the BLUE LEDs will turn off. If the PIN addition fails, the RED LEDs will blink.

Sequential Addition of User PINs

To add a user PIN, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is constantly BLUE, you can proceed.

Steps	Function Buttons	Description
1.	 	To add a user PIN, press the '7' and 'Lock' buttons in sequence.
2.	 	Enter the user number where the PIN will be saved, then press the 'Lock' button. (The user number can be any value between 1 and 1000.)
3.	   	After step 2, enter the new PIN. The PIN should consist of digits 0-9 only. You can set a PIN up to 12 digits long.
4.		Press the 'Lock' button to assign the new PIN.
5.	   	To sequentially save PINs, repeat the PIN entry process from step 3 and press the 'Lock' button in step 4. You can repeat this process until you reach the 1000 PIN limit.
6.		Press the 'Bell' button to exit the save menu. If no action is taken for approximately 10 seconds, you will be automatically logged out of the save menu.

After each PIN addition, the buzzer will emit four 'beep' sounds. When you exit the menu, the BLUE LEDs will turn off, and the system's indicator LEDs will blink once.

Add User Card

To add a user card, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is constantly BLUE, you can proceed.

Steps	Function Buttons	Description
1.	 	To add a user card, press the '8' and 'Lock' buttons in sequence.
2.	 	Enter the user number where the card will be registered, then press the 'Lock' button. (The user number can be any value between 1 and 2000.)
3.		After step 2, scan the card you wish to register on the device.
4.		Press the 'Bell' button to exit the save menu. If no action is taken for approximately 10 seconds, you will be automatically logged out of the save menu.

If the card registration is successful, the buzzer will emit a 'beep' sound, and the BLUE LEDs will turn off. If the card registration fails, the RED LEDs will blink."

Sequential Addition of User Cards

To add a user card, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is constantly BLUE, you can proceed.

Steps	Function Button	Description
1.	 	To add a user card, press the '8' and 'Lock' buttons in sequence.

2.	* 	Enter the user number where the card will be registered, then press the 'Lock' button. (The user number can be any value between 1 and 2000.)
3.		After step 2, scan the card you wish to register on the device.
4.		To perform the registration process sequentially, scan the cards you wish to register on the device in sequence.
5.		Press the 'Bell' button to exit the menu. Alternatively, you can exit the menu by waiting for approximately 10 seconds without performing any actions.

After each card registration, the buzzer will emit four 'beep' sounds. When you exit the menu, the BLUE LEDs will turn off, and the system's indicator lights will blink once.

Changing the Administrator Password

To change the administrator PIN, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is constantly BLUE, you can proceed.

Steps	Function Steps	Description
1.	6 	To change the administrator Password, press the '6' and 'Lock' buttons in sequence.
2.	* * * *	After pressing the '6' and 'Lock' buttons, enter the new PIN. You can only use the digits 0 to 9 to set the PIN. You can assign a PIN up to 12 digits long.
3.		Press the 'Lock' button to assign the new PIN.

If the PIN change is successful, the buzzer will emit four 'beep' sounds, and the BLUE LEDs will turn off. If the PIN change fails, the RED LEDs will blink.

Changing the Lock Relay Pull Duration

To change the relay pull duration, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is constantly BLUE, you can proceed.

Steps	Function Button	Description
1.	9 	To change the lock relay pull duration, press the '9' and 'Lock' buttons in sequence.
2.	* * * *	After pressing the '9' and 'Lock' buttons, enter the new relay duration. You can only use the digits 0 to 9 to set the duration. A duration of up to 99 seconds can be assigned.
3.		Press the 'Lock' button to assign the new duration.

If the duration change is successful, the buzzer will emit four 'beep' sounds, and the BLUE LEDs will turn off. If the duration change fails, the RED LEDs will blink.

Deleting a User PIN

1. Deleting All User PINs

To delete all user PINs, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is constantly BLUE, you can proceed.

Steps	Function Buttons	Description
1.	  	To delete the user PINs, press the '1', '0', and 'Lock' buttons in sequence.

While this process is being carried out, the device's indicator LEDs will blink. Once the device has deleted all PINs, the system's lights will remain on, and the BLUE LEDs will turn off. At this point, all registered PINs in the system have been deleted, and the 1st user PIN is set to '0000'.

2. Deleting a User PIN by Entering the User Number

To delete the desired user PINs, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is constantly BLUE, you can proceed.

Steps	Function Buttons	Description
1.	  	To delete the user PIN, press the '1', '2', and 'Lock' buttons in sequence.
2.	 	Enter the user number of the PIN you wish to delete and press the 'Lock' button.
3.		If you want to perform the deletion process sequentially, press the 'Lock' button after step 2. (This deletion process will continue with the user number entered, incrementing by 1. For example: If user number 5 is entered, pressing the 'Lock' button will delete user 6, and pressing it again will delete user 7.)
4.		Press the 'Bell' button to exit the menu. Alternatively, you can exit the menu by waiting for approximately 10 seconds without performing any actions.

After each PIN deletion, the buzzer will emit three 'beep' sounds. When you exit the menu, the BLUE lights will turn off, and the system's indicator lights will blink once.

Deleting User Cards

1. Deleting All User Cards

To delete all user cards, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is constantly BLUE, you can proceed.

Steps	Function Buttons	Description
1.	  	To delete the user cards, press the '1', '1', and 'Lock' buttons in sequence.

During this process, the device's indicator LEDs will blink. Once the device has deleted all cards, the system's lights will remain on, and the BLUE LEDs will turn off.

2. Deleting a User Card by Entering the User Number

To delete a user card, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is constantly BLUE, you can proceed.

Steps	Function Buttons	Description
1.	  	To delete a user card, press the '1', '3', and 'Lock' buttons in sequence.
2.	 	Enter the user number of the card you wish to delete and press the 'Lock' button.
3.		If you want to perform the deletion process sequentially, press the 'Lock' button after step 2. (This deletion process will continue with the user number entered, incrementing by 1. For example, if user number 5 is entered, pressing the 'Lock' button will delete user 6, and pressing it again will delete user 7.)
4.		Press the 'Bell' button to exit the menu. Alternatively, you can exit the menu by waiting for approximately 10 seconds without performing any actions.

After each card deletion, the buzzer will emit three 'beep' sounds. When you exit the menu, the BLUE lights will turn off, and the system's indicator lights will blink once.

3. Deleting a User Card from Memory by Scanning the Card

To delete a user card using the card itself, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is constantly BLUE, you can proceed.

Steps	Function Buttons	Description
1.	  	To delete the user card, press the '1', '4', and 'Lock' buttons in sequence.
2.		Scan the card you wish to delete.
3.		If you want to delete multiple cards, scan the cards in sequence.
4.		Wait for approximately 10 seconds to exit the menu.

After each card deletion, the buzzer will emit three 'beep' sounds. When you exit the menu, the BLUE lights will turn off, and the system's indicator lights will blink once.

Factory Reset

To perform a factory reset, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is continuously BLUE, you can proceed.

Steps	Function Buttons	Description
1.	  	To perform a factory reset, press the '9', '9', and 'Lock' buttons in sequence.

During this process, the device's indicator LEDs will blink. Once all the passwords are deleted, the system's lights will stay on continuously, and the BLUE LEDs will turn off. All registered passwords and cards in the system have been deleted. The 1st user password is set to '0000'. The system will be set to Mode 1, which is the password or card-based access mode.

Changing the System's Operating Mode

1. Access via Card or Password (Mode 1)

In this mode, the user can perform the access operation either with a card or a password. The device operates in this mode by default when it is first received.

To switch to this mode, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is continuously BLUE, you can proceed.

Steps	Function Buttons	Description
1.		To switch to Mode 1, press the '1' and 'Lock' buttons in sequence.

When you exit the menu, the BLUE LEDs will turn off, and the system's indicator lights will blink once.

2. Access with Password Only (Mode 2)

In this mode, the user can only perform the access operation using a password.

To switch to this mode, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is continuously BLUE, you can proceed.

Steps	Function Buttons	Description
1.		To switch to Mode 2, press the '2' and 'Lock' buttons in sequence.

When you exit the menu, the BLUE LEDs will turn off, and the system's indicator lights will blink once.

3. Access with Card Only (Mode 3)

In this mode, the user can only perform the access operation using a card.

To switch to this mode, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is continuously BLUE, you can proceed.

Steps	Function Buttons	Description
1.		To switch to Mode 3, press the '3' and 'Lock' buttons in sequence.

When you exit the menu, the BLUE LEDs will turn off, and the system's indicator lights will blink once.

4. Access Using Both Password and Card (Mode 4)

In this mode, the user can perform the access operation by first entering the password and then scanning the card.

Enter the password, press the 'Lock' button, and then scan your card.

To switch to this mode, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is continuously BLUE, you can proceed.



Steps	Function Buttons	Description
1.	 	To switch to Mode 4, press the '4' and 'Lock' buttons in sequence.

When you exit the menu, the BLUE LEDs will turn off, and the system's indicator lights will blink once.

5. Direct Access (Mode 5)

In this mode, the user can perform the access operation by pressing any button.

To switch to this mode, the 'Access to Settings Menu' steps must first be completed. Once these steps are bypassed and the LED is continuously BLUE, you can proceed.

Steps	Function Buttons	Description
1.	 	To switch to Mode 5, press the '5' and 'Lock' buttons in sequence.

When you exit the menu, the BLUE LEDs will turn off, and the system's indicator lights will blink once.

Resetting the Administrator Password

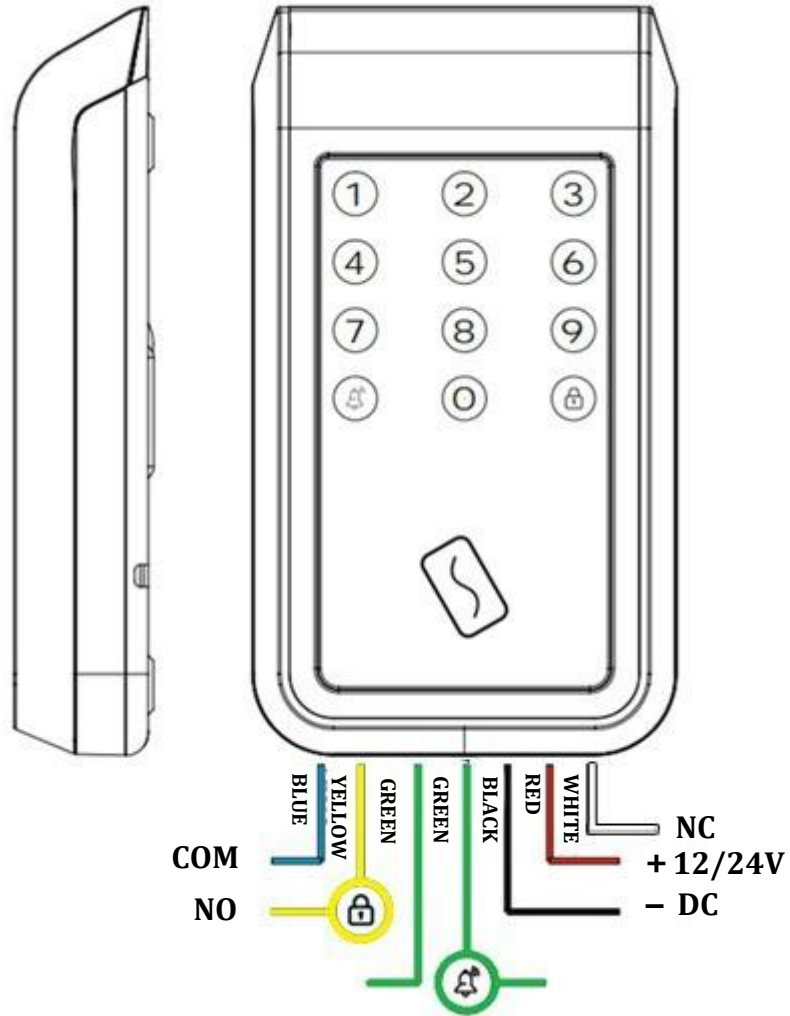
To reset the administrator password, you must first cut off the power to the device. When powering the device, press and hold the "Reset" button on the back of the device. The device's buzzer will emit a long 'bip' sound four times, and the administrator password will be reset to '1 2 3 4' as the factory default.

3.Quick User Guide

Registering Card and Password	Password Registration	Single Registration	3 times () > Admin Password () > 7 () > User ID () > Enter New User Password () > 
		Multiple Registration	3 times () > Admin Password () > 7 () > User ID () > Enter New User Password, Enter New User Password... () > 
	Card Registration	Single Registration	3 times () > Admin Password () > 8 () > User ID () > Touch the New User Card () > 
		Multiple Registration	3 times () > Admin Password () > 8 () > User ID () > Touch the New User Card, Touch the New User Card... () > 
Deleting Cards and Passwords	Deleting Passwords	Delete a Password	3 times () > Admin Password () > 12 () > User ID () > 
		Delete Multiple Passwords	3 times () > Admin Password () > 12 () > User ID () , User ID () , User ID () ... > 
		Delete All Passwords	3 times () > Admin Password () > 10 () > 

	Deleting Cards	Delete a Card	3 times () > Admin Password () > 13 () > User ID () > 
		Delete Multiple Cards	3 times () > Admin Password () > 13 () > User ID () , User ID () , User ID () ... > 
		Delete All Cards	3 times () > Admin Password () > 11 () > 
		Delete Cards by Using Cards	3 times () > Admin Password () > 14 () > User Card, User Card, User Card ... > 
Setting Operating Modes	Password or Card		3 times () > Admin Password () > 1 ()
	Only Password		3 times () > Admin Password () > 2 ()
	Only Card		3 times () > Admin Password () > 3 ()
	Password + Card		3 times () > Admin Password () > 4 ()
	Touch and Pass		3 times () > Admin Password () > 5 ()
Admin	Admin Password		3 times () > Admin Password () > 6 () > New Admin Password ()
Relay	Relay Triggering Time		3 times () > Admin Password () > 9 () > New Relay Triggering Time ()
Reset to Factory Settings	Reset to Factory Settings		3 times () > Admin Password () > 99 ()

4.CONNECTION SCHEMA



NOTE: The contact of the lock relay is NC.

5.INSTALLATION

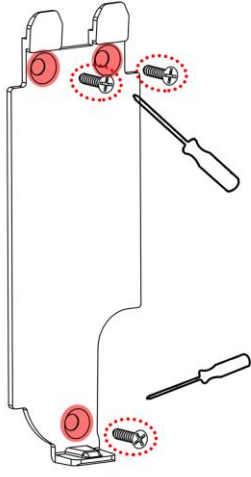


Figure-1



Figure-2

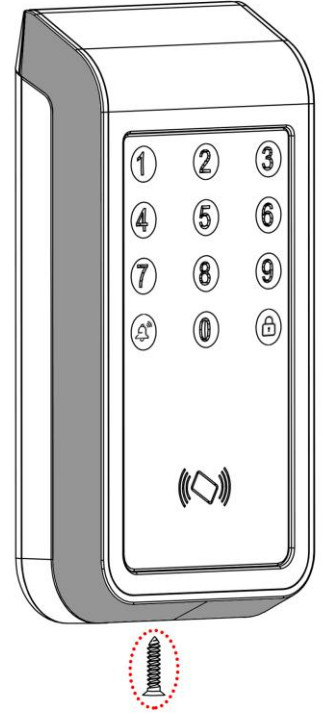


Figure-3

