



Product Line MiniTIME SA



FAAC S.p.A.

Via Benini 1

40069 Zola Predosa (BO)

Summary

1	Product.....	3
2	Links	3
3	Caratteristiche Elettriche	3
4	Operative Modes	4
4.1	Funzionamento Tastiera	4
5	Settings.....	4
5.1	Menu 1 – Inserting a user code / card.....	4
5.2	Menu 2 – Deleting a user code / card	4
5.3	Menu 3 – Activating a user code / card.....	5
5.4	Menu 4/5 – Data Import/Export	5
5.5	Menu 6 – I/O Configuration	6
5.6	Menu 7 – Reader B Configuration	6
5.7	Menu 8 – Internal/External reader activation.....	7
5.8	Special Commands.....	7
6	Reset Functions.....	7
7	Note dell’Installatore	7





1 Product

The MiniTime-SA is an access control device which is able to store codes and card autonomously.

The central can store a MASTER-CODE (code or card) and 500 user codes (keyboard codes or cards). The MASTER-CODE length, if inserted as a keyboard code has to be between 6

and 14 characters. The User Codes length (if inserted through keyboard) has to be between 4 and 14 characters.

If the keyboard is not present a special 12 cards kit has to be used (optional kit: "passive SA cards kit"). These cards emulate a 12 key keyboard (numbers from 0 to 9 plus # and E keys).

PLEASE NOTE: The device carries the command contact which are activated with a valid card/code.

Even if the device provides an anti-tempering contact (it manages the alarm contact) special care has to be provided by positioning the device in a protected zone and by putting a reader head outside the reader (not an automatic decision-making device).

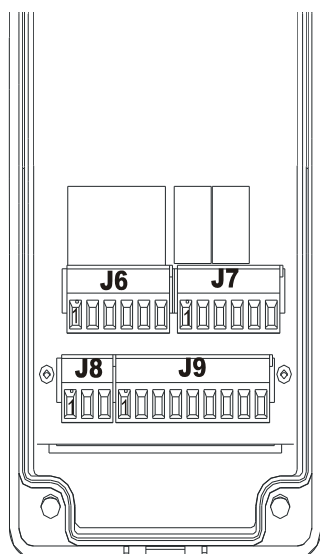


Figure 2: Links



Figure 1: External View

2 Links

In Figure 2 please note the internal side of the device where the 4 connectors are indicated. On the card only the J7 and J9 connectors are present.

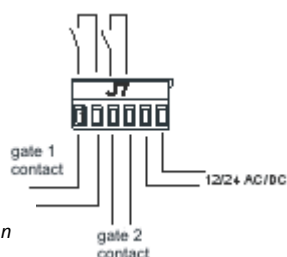


Figure 3: J7 Connection

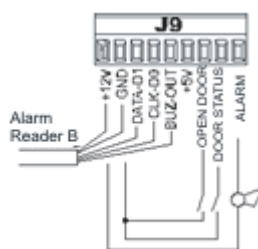


Figure 4: J9 Connection

3 Caratteristiche Elettriche

	Min	Max	Unit	Note
Power Supply	12	24	V	Both AC and DC
Consumption Vin = 12Vdc Vin = 24Vdc Vin = 16Vac		120 100 115	mA	Reader B not connected
Maximum relais contact tension		60 125	Vdc Vac	
Maximum current per impedance charge V = 150Vac V = 24Vdc V = 60Vdc		0.5 1 0.3	A	
Alarm output current		70	mA	
Alarm output tension (open circuit)		14	V	
Current Reader B's buzzer		50	mA	
Alarm output tension (open circuit)		14	V	
Input tension for DOOR STATUS / OPEN DOOR, CLK and DATA.	-15	24	V	



4 Operative Modes

On the activation of the MINITIME-SA the device verifies the presence of a MASTER CODE. If this code is not set, the system will wait for this code to be set. This situation can be identified by the fact that all the lights of the device blink rhythmically. To proceed it is necessary to insert a master code, in detail it is necessary to use a card that will work as MASTER CODE.

If the Master Code is already present upon the activation, the system will work in access control mode (AC mode).

The system is on permanent waiting for a valid title, both on A and B readers (if reader B is activated). This title can be either a card or a keyboard code, if the title is not valid the system will emit a single sound and a yellow LED will turn on. If the title is valid, the device will emit 2 sounds and will turn on the green LED, after this the system will open the programmed gate.

To configure all the system parameters it's necessary to use one of the methods described below.

4.1 Funzionamento Tastiera

The Keyboard is touch-sensitive. It is not necessary to exert a pressure on the keyboard. When the # key is pressed, the device will delete the last inserted character. If the # key is activated twice the whole code will be deleted. The E key will act as a confirmation key.

5 Settings

The parameters settings are divided into 8 menus. **To have access to the menu the user has to insert the menu number, followed by the master-card/# key and for last the master code. Once this is done, the device will on a steady amber LED. To exit a setting menu it is necessary to press and hold the # key for more than 4 seconds, alternatively the user can insert a master code / master card.**

Menù	Tipo di Programmazione	Menù	Tipo di Programmazione
1	Inserting a user code / card.	5	Data Export
2	Deleting a user code / card.	6	I/O Configuration
3	Activating a user code / card.	7	Reader B configuration
4	Data Import	8	Readers activation.

5.1 Menu 1 – Inserting a user code / card

Consider that for every user title it is necessary to specify the memory location/cell. These go from 1 to 500 and every cell can contain a maximum of 1 title. It's a good idea to keep up a scheme with the titles locations.

To enter the menu read paragraph *Errore. L'origine riferimento non è stata trovata.* – Errore. L'origine riferimento non è stata trovata.

To insert proceed to digit the location number. If the user wants to use a keyboard, press the # key and insert the code, otherwise use a title on one of the readers. If the procedure ends well the system will emit a steady alternating sound with the green LED blinking. If the procedure doesn't end correctly the system will emit a fast paced alternated sound along with the amber blinking LED.

EXAMPLE: To insert the key code 347683 in position 39, the code will be 39#347683E. To insert a title in position 392 it's enough to insert the 392 code followed by the code.

5.2 Menu 2 – Deleting a user code / card

To enter the menu read paragraph *Errore. L'origine riferimento non è stata trovata.* – Errore. L'origine riferimento non è stata trovata.

To delete a user card / code it's enough to insert the location and press the E key.



5.3 Menu 3 – Activating a user code / card

This function enables to user to change the access configurations for either a single user or a group of locations. For every title it's possible to set the gate and "direction" (absent/present), it is also possible to enable the anti pass back check.

To enter the menu read paragraph *Errore. L'origine riferimento non è stata trovata.* – Errore. L'origine riferimento non è stata trovata.

TIPO DI COMANDO	DESCRIZIONE
NNN#CE	Executes the C command on the NNN location
NNN#FFF#CE	Executes the C command on the FFF location
1111#CE	Executes the C command on all the locations.

COMANDO	DESCRIZIONE	ESEMPIO
5	Forces the "absent" status	37#5E Title 37 Absent
6	Forces the "present" status	116#6E Title 115 Present
7	Enables the "Anti PASS-BACK" check	21#7E Title 21 enabled with Anti PASS-BACK check
8	Disables the "Anti PASS-BACK" check	3#8E Title 3 not enabled with Anti PASS-BACK check
GHJK	The configuration is changed for both A and B readers	7#1100E Title 7 opens A and B if read on A
	G = 1: a read on A commands the exit 1	7#0011E Title 7 opens A and B if read on B
	G = 0: a read on A does not command the exit 1	7#1010E Title 7 opens A if read by A and B
	H = 1: a read on A commands the exit 2	7#0101E Title 7 opens B if read by A and B
	H = 0: a read on A does not command the exit 2	7#1001E Title 7 opens A of read by A
	J = 1: a read on B commands the exit 1	Opens B if read by B
	J = 0: a read on B does not command the exit 1	7#0110E Title 7 opens B if read by A
GH	The configuration is changed on reader A	9#00E Title 9 disabled
	G = 1: a read on A commands exit 1	9#01E Title 9 opens B if read by A
	G = 0: a read on A does not command exit 1	9#10E Title 9 opens A if read by A
	H = 1: a read on A commands exit 2	9#11E Title 9 opens A and B if read by A
H = 0: a read on A does not command exit 2		

NOTE: the A reader is the automatic decision-making reader. The reader B is the remote reader which does not have the "automatic decision-making" feature.

5.4 Menu 4/5 – Data Import/Export

To enter the menu read paragraph *Errore. L'origine riferimento non è stata trovata.* – Errore. L'origine riferimento non è stata trovata.

The menu n. 4 is used for importing data, the menu 5 is used for exporting data.

These menus are used for saving the settings and the codes whenever a backup or an export operation is needed.

COMANDO	DESCRIZIONE	COMANDO	DESCRIZIONE
1E	Complete Import/Export	2E	Settings and Codes import/Export
3E	Codes Import/Export	4E	Settings Import/Export



5.5 Menu 6 – I/O Configuration

*To enter the menu read paragraph **Errore. L'origine riferimento non è stata trovata.** – **Errore. L'origine riferimento non è stata trovata.***

In the following tab: **TTT** indicates a number between 0 and 65535, **F** indicates one character between 0 and 1, **NNN** indicates a number between 0 and 500.

COMANDO	DESCRIZIONE	DEFAULT	ESEMPIO
1# TTT E	Relè 1 activation time in tenths of a second (0÷65535), 0 means "relè disabled".	30	1#387E For a time of 38.7 s 1#5E For a time of 0.5 s
2# TTT E	Relè 2 activation time in tenths of a second (0÷65535), 0 means "relè disabled".	30	2#60E For a time of 6 s
3# TTT E	Alarm activation time in tenths of a second (0÷65535), 0 means "Alarm disabled".	300	3#150E For a time of 15s
4# TTT E	Door Alarm disactivation time in seconds (0÷65535), 0 means "always ON"	16	4#25E For a time of 25s
5# F E	Electrical cross management F = 0 → Disabled; F = 1 → Enabled	0	
6# F E	Gate "open door" contact logic F = 1 → NC, F = 0 → NA	NA	
7# F E	Gate "status" contact logic F = 1 → NC, F = 0 → NA	NA	
8# F E	"tamper" logic F = 1 → NC, F = 0 → NA	NA	

5.6 Menu 7 – Reader B Configuration

*To enter the menu read paragraph **Errore. L'origine riferimento non è stata trovata.** – **Errore. L'origine riferimento non è stata trovata.***

In the following tab: **TTT** indicates a number between 0 and 65535, **F** indicates one character between 0 and 1, **NNN** indicates a number between 0 and 500.

COMANDO	DESCRIZIONE	DEFAULT	ESEMPIO
1# TTT E	Reader B ignoring time in seconds (0 ÷ 255)	0	
2# F E	Double gate feature F = 1 → enabled , F = 0 → disabled	Not Enabled	
3# F E	B reader associated door management F = 1 → YES, F = 0 → NO	NO	
4# F E	Anti Pass-Back F = 1 → YES, F = 0 → NO	NO	
5# F E	No Anti Pass-Back on exit F = 1 → YES, F = 0 → NO	YES	
6# F E	Reader B on entrance F = 1 → YES, F = 0 → NO	YES	
7# NNN E	Title number for reset 1 (0 ÷ 500) 0 means "not assigned" (Description at paragraph 6)	0	
8# NNN E	Title number for reset 2 (0 ÷ 500) 0 means "not assigned" (Description at paragraph 6)	0	
9# F E	LRC check reader B F = 1 → YES, F = 0 → NO	YES	



COMANDO	DESCRIZIONE	DEFAULT	ESEMPIO
10#E	Wiegand/MagStripe Interface <input type="checkbox"/> = 1 → Wiegand, <input type="checkbox"/> = 0 → MagStripe	MagStripe	

5.7 Menu 8 – Internal/External reader activation

*To enter the menu read paragraph **Errore. L'origine riferimento non è stata trovata.** – Errore. L'origine riferimento non è stata trovata.*

COMANDO	DESCRIZIONE	COMANDO	DESCRIZIONE
1#1E	Enable RF module for passive cards (Default)	1#0E	Disable RF module for passive cards
2#1E	Enables Reader B	2#0E	Disables Reader B (Default)

5.8 Special Commands

These commands can only be managed from outside the configuration menu. In the following tab **MC** indicates the Master-Code.

COMANDO	DESCRIZIONE	COMANDO	DESCRIZIONE
65000#MC	All Absent	65001#MC	All present
65300#MC	Reset titles archive	65301#MC	Reset settings
65534#MC	Reset Master-Code (a new one is needed)	65535#MC	Reset to Default

The # key can be omitted when a “Master-Card” is used.

6 Reset Functions

Reset Functions are particularly helpful when the “anti-pass-back” features are used. These Functions enable the user to set the status of all the titles to a specific value.

The **reset 1** function enables the MINITIME-SA to consider all the titles as absent (all titles are out the controlled area). The feature is activated upon using a card or by code input on the keyboard of any of the readers.

The **reset 2** function has a similar function: this function can take place in two ways, it enables the MINITIME-SA to consider all the titles as absent or present, depending on which reader is used for the operation: if the code/card is used on an entrance reader all titles will be considered present, if it is used on an exit reader all the titles will be considered absent.

7 Note dell'Installatore

