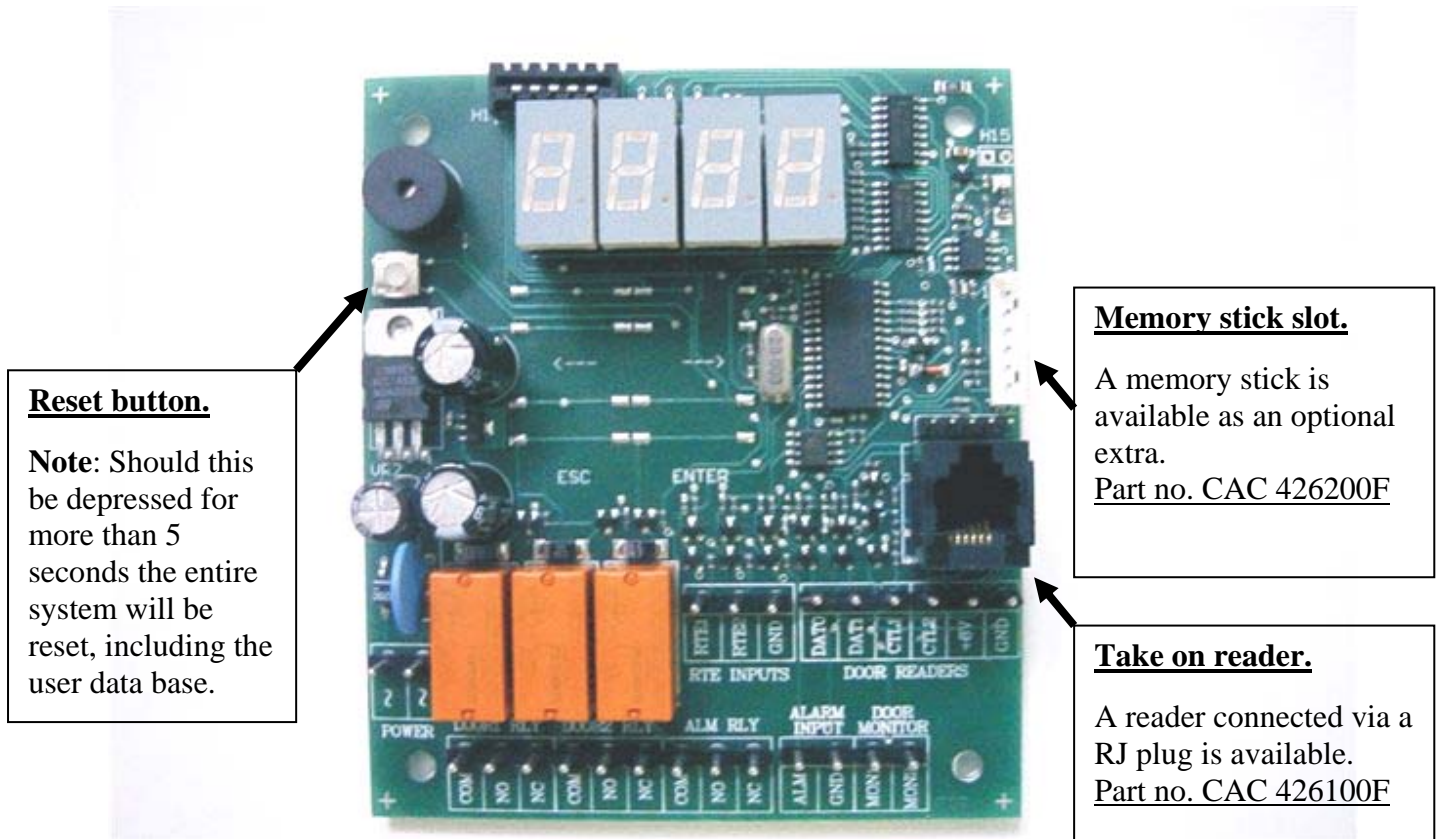


USER MANUAL

MIC0302116

DORTAG *Plus*



FEATURES

- 1 or 2 door access control (1 door entry/exit with anti-passback or 2 doors entry)
- Programmable by master cards and on-board buttons
- 2000 card capacity (Master, Supervisor and User levels)
- Door monitoring (Door open/Door forced)
- Voiding and suspending of cards
- Memory stick function

APPLICATIONS

- Personnel access control
- Motorised gates and doors
- Parking applications
- Arming of alarms
- Switching applications

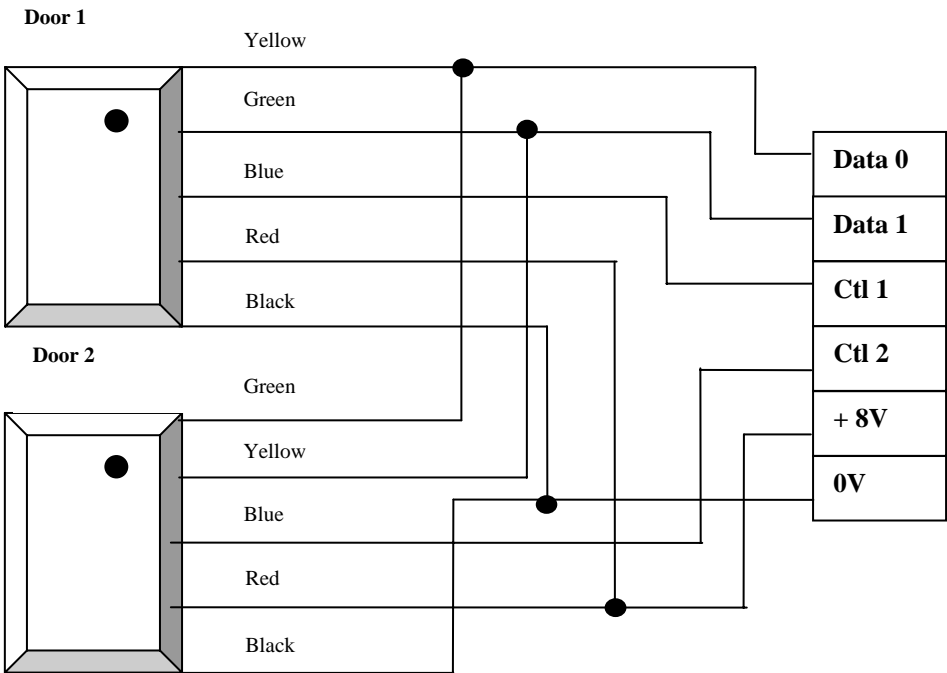
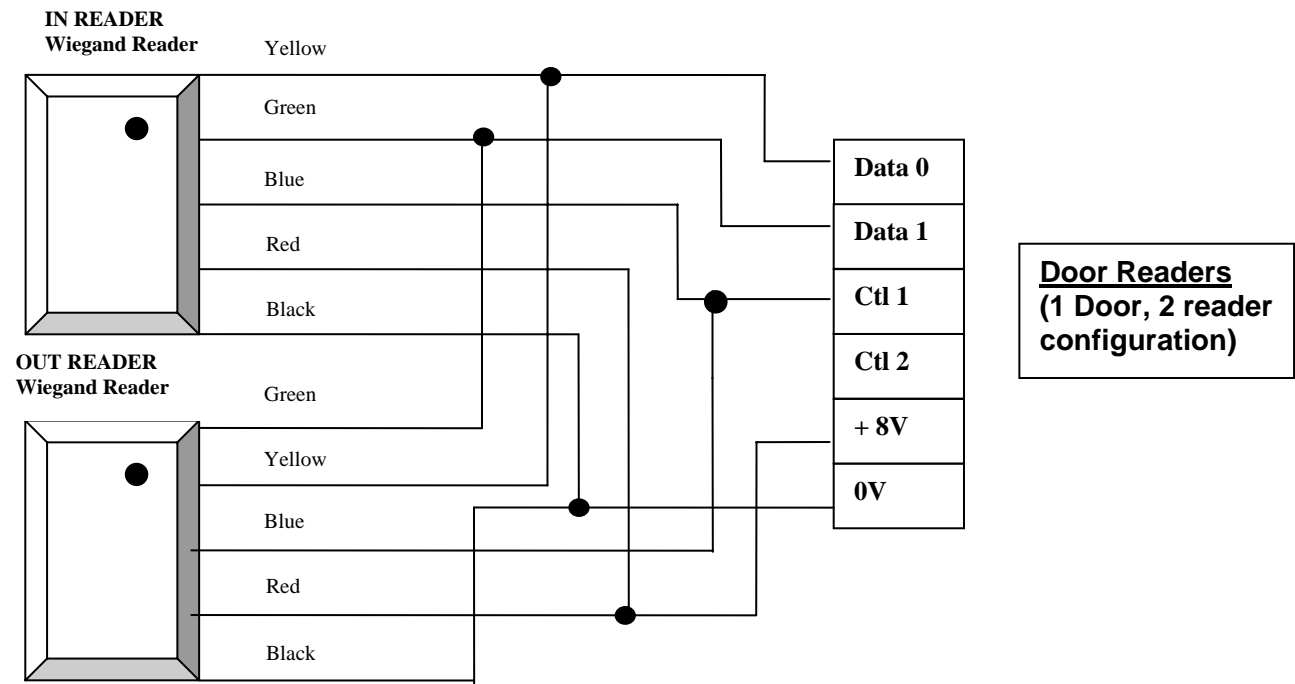
INSTALLATION INSTRUCTIONS

THE READER HEAD/S

The reader heads come pre-wired with a 2m cable connected to it. If the cable is to be replaced with a longer cable, please note the following restriction:

Maximum cable lengths: - 50 metres shielded cable

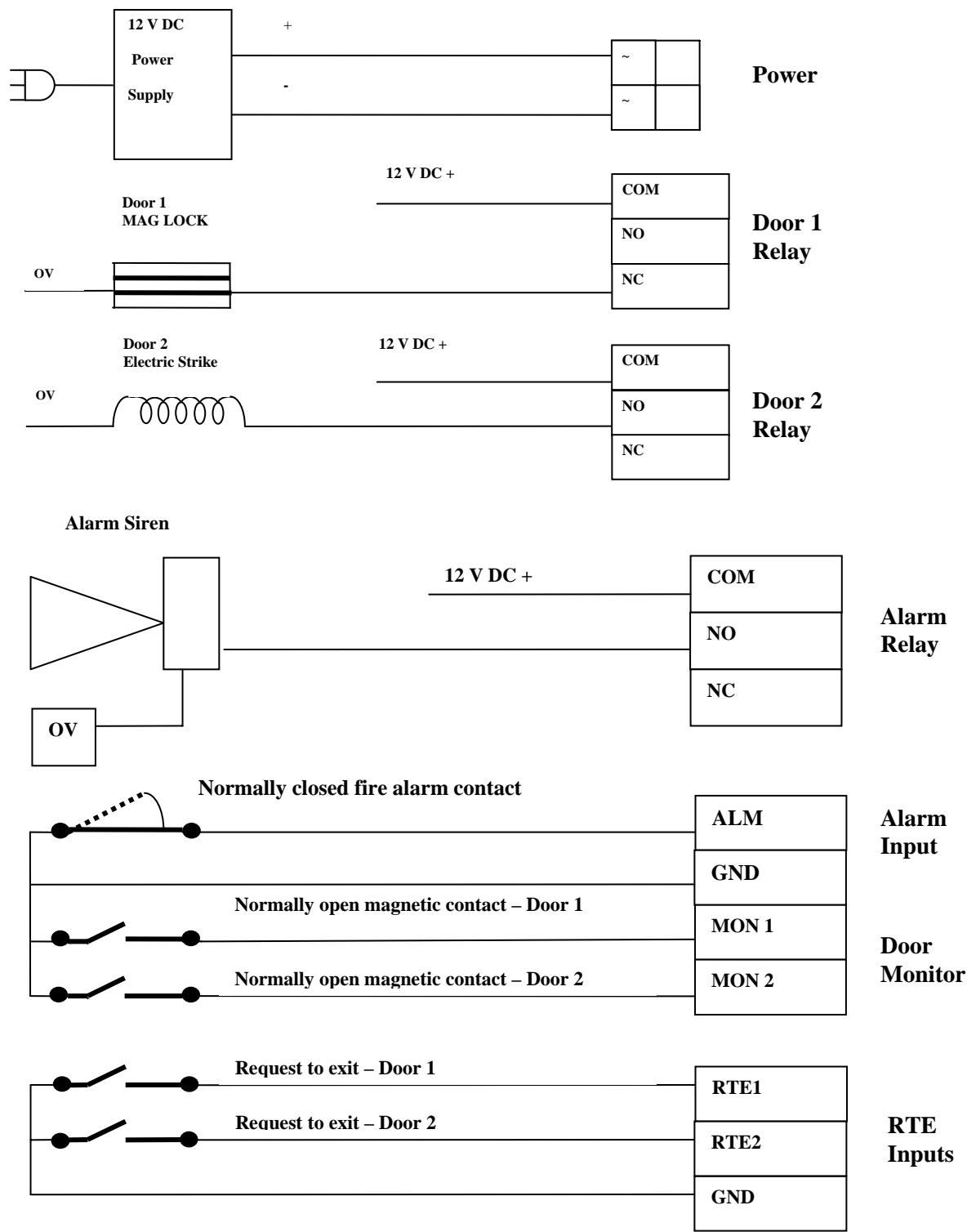
Two screws and two wall plugs are supplied with the reader head for mounting onto a wall.



Door Readers
(2 Door configuration)

THE CONTROLLER

The following steps should be followed to connect incoming power to the controller, wire in the failsafe (magnetic lock) or fail secure (door strike) locking mechanism, alarm siren, door monitor contacts and RTE (request to exit) contacts.



Note: Opening of the fire alarm contact will result in the door relays activating, as required for emergency evacuation purposes. Once the alarm condition has been cleared it will be necessary to present the master to a reader to re-set the buzzer.

PROGRAMMING INSTRUCTIONS

INITIALIZING THE SYSTEM

After connecting all the necessary wiring as explained in “Installation instructions” you are ready to turn the controller on.

INITIALIZING “init”

1. The controller will display **init**, at this point the controller is ready to accept a master tag or card.
2. Present the tag you would like to have as a master.
3. The unit will display 0.0.0.1. indicating a master has been added as user number one, the four “•” indicate a master.

ADDING TAGS

This will allow the master to **Add NEW USERS, NEW MASTERS** and **NEW SUPERVISORS** to the controller. The system limitation is 2000 tags in total.

ADDING NEW USERS “ADD n”:

1. Press any key and then present the master, the unit will display **ADD**, press enter.
2. The unit will display **ADD n**, press **ENTER**.
3. **Door 1** will appear, to select if the users will have access to this door press **ENTER** to select.
4. **Door 1.** will appear the “•” indicates the door has been selected.
5. Press the right arrow to continue with **Door 2**, once all selections have been made press the right arrow key to **Acct** (accept) and press **ENTER**.
6. - - - - will appear, present tags consecutively to add to controller.
7. To escape press the **ESC** key.

ADDING A NEW MASTER “ADD.”:

Master tags are required to effect any changes to the programming of the access system. Master tags are not affected by any anti-passback (APB) settings.

Note: It is possible to have multiple masters on the DorTag Plus system.

1. Press any key and then present the master, the unit will display **ADD** press **ENTER** and scroll right to **ADD.** and press **ENTER**. The “•” indicates a master tag programming.
2. - - - - will appear, present tag /s you wish to add to the controller as masters.
3. A new master will be displayed, (for example: 0.0.0.2.) the four “•” indicates a master.
4. To escape press **ESC**.

ADDING A NEW SUPERVISOR “ADD S”:

Note: Supervisor tags are not affected by any anti-passback (APB) settings.

1. Press any key and then present the master, the unit will display **ADD** press **ENTER**, scroll right to **ADD S**, and press **ENTER**.
2. - - - - will appear, present tag /s you wish to add to the controller as supervisors.
3. The new supervisor will be displayed, (for example 0 0 0 3.) the single “• “ indicates a supervisor.
4. To escape press **ESC**.

EDITING A USER

This function is used to change the current door rights of a user.

EDITING “EDIT”

1. Press any key and then present the master, the unit will display **ADD**, scroll right to **EDIT** and press **ENTER**.
2. 0.0.0.1. will appear scroll right to the desired number you wish to edit and press **ENTER**.
3. Door 1 will appear either with or without a “• “. The “• “ indicates the door has been select to be used by this user. To modify this press **ENTER**.
4. Scroll right to select Door 2 and follow as above.
5. Scroll right once again and the controller will display **ACct**. To accept changes press **ENTER**.
6. To escape press **ESC**.

DELETING TAGS

This function is used to permanently delete a user from the controller.

DELETING A USER

1. Press any key and then present the master, the unit will display **ADD**, scroll right to **DEL** and press **ENTER**.
2. 0 0 0 2 will appear, scroll right to the desired number.
3. Press **ENTER** to permanently delete this user from the controller.
4. To escape press **ESC**.

DOOR ALARM SETTINGS

This function monitors if a door is forced or if it is left open between 10 seconds and 990 seconds with a default of 20 seconds. Should either occur the alarm relay will be activated and the buzzer and the siren if fitted, will sound.

DOOR ALARM “DOOR”

1. Press any key and present a master, the unit will display **ADD**, scroll right to **Door**, and press **ENTER**.
2. Select the desired Door by scrolling either left or right and press **ENTER**.
3. **0020** will appear, this means if the door is left open longer than 20 seconds the alarm relay will be triggered.

4. To increase or decrease this time, either scroll left or right and then press **ENTER** on the desired time.
5. To escape press **ESC**.

RELAY SETTINGS

This function is used to set the pulsed relay time between 250ms and 60 seconds in 1 second intervals or to set the relay to toggle mode. The default pulse time is 3 seconds.

RELAY “RLY”

1. Press any key and present a master, the unit will display **ADD**, scroll right to **REL**, and press **ENTER**.
2. **Door 1** will appear scroll either left or right to select **Door 2** (if required) and press **ENTER**.
3. **0 0 0 3** will appear this means the relay will latch for 3 seconds and then return to its previous state. Scroll either left or right to increase or decrease this time.
4. Should you want a toggle (Latching) relay (displayed as **To99**) scroll left beyond **0 0 0 0** seconds to **To99** and press **ENTER**.
5. To escape press **ESC**.

ANTI-PASSBACK SETTINGS

This function is used to force a user to come in one door and go out another before they can come in again.

Note: Masters and Supervisors are not affected by anti-passback.

ANTI-PASSBACK “APB”

1. Press any key and present a master, the unit will display **ADD**, scroll right to **APB**, and press **ENTER**.
2. OFF will appear scroll left or right to ON to activate anti-passback and press **ENTER**.
3. To escape press **ESC**.

This is a “soft anti-passback system”. If there is a glitch in the APB eg: power lost and re-stored access will be granted at either reader to re-start the sequence.

SUSPEND A USER

This function allows you to suspend a user’s access rights to all doors until they are unsuspended instead of deleting them permanently.

SUSPEND “SUSP”

1. Press any key and present a master, the unit will display **ADD**, scroll right to **SUSP** and press **ENTER**.
2. **0 0 0 1** will appear. Scroll right to the required user number and press **ENTER**.
3. The user will change for example from **0 0 0 4** to **0 0 0 4**, the 3 X “•” indicating the user is suspended.

4. To unsuspend a user press the **ENTER** key on the desired user number.
There by removing the 3 X “•”.
5. To escape press **ESC**.

DATA UPLOADING AND SYNCHRONIZING

These functions allow you to upload (save) the user data base to a memory stick or to copy user data base stored on a memory stick to a controller.

Note: Should you copy the users from a memory stick to a controller the entire data base stored on that controller will be replaced.

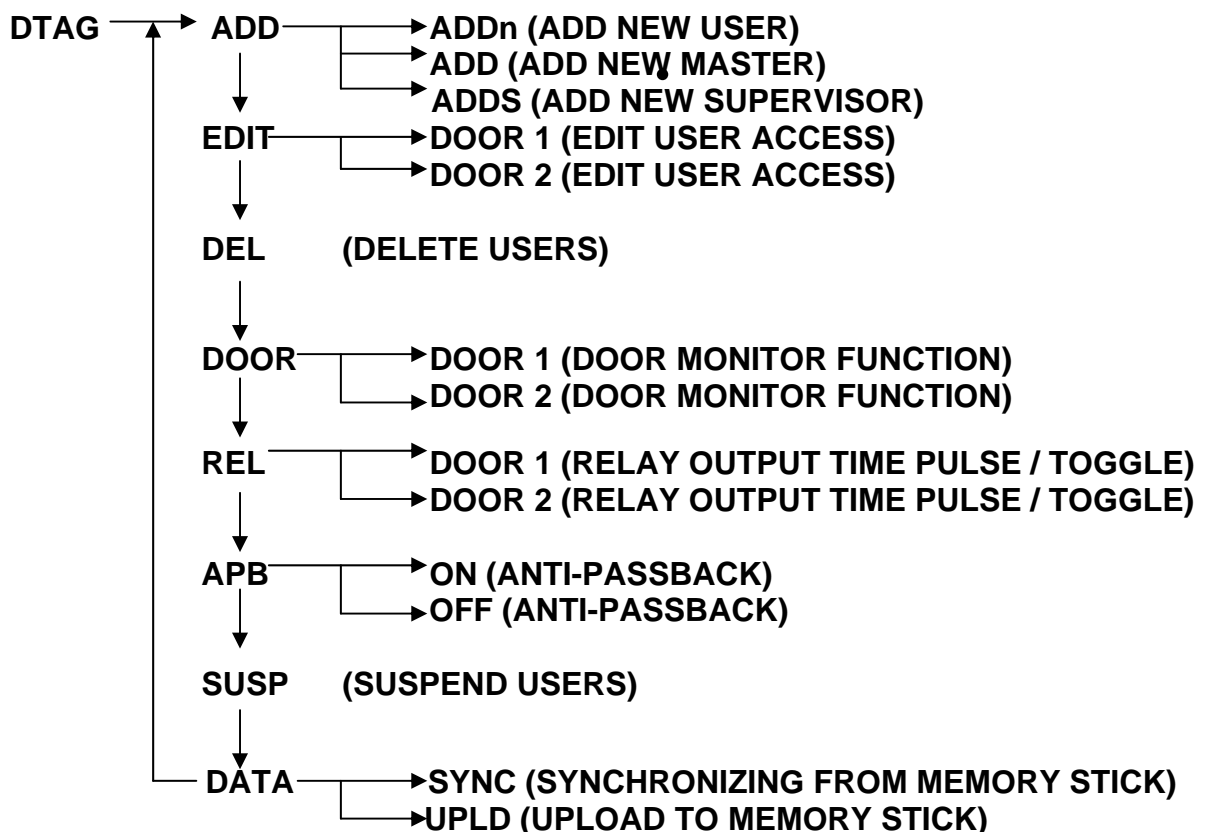
UPLOADING “UPLd”

1. Press any key and present a master, the unit will display **ADD**, scroll right to **dAtA** and press **ENTER**.
2. **SYnC** will appear. Scroll right to **UPLd**, before pressing **ENTER**. Please note the user data base stored on the memory stick will be deleted.
3. **bUSY** will appear, wait for the controller to return to **UPLd** before escaping.
4. To escape press **ESC**.

SYNCHRONIZING “SYnC”

1. Press any key and present a master, the unit will display **ADD**, scroll right to **dAtA** and press **ENTER**.
2. **SynC** will appear press **ENTER**.
3. **Off** will appear, scroll right to **On**.
4. Before pressing **ENTER** please note the controller will delete all current users and replace with new user data base from memory stick.
5. Once **On** is selected **bUSY** will appear, wait for the controller to return to **On**. Please note should you leave the controller in synchronizing **On** the controller will update the memory stick when ever changes to the user data are made.
6. To escape press **ESC**.

MENU STRUCTURE:



TECHNICAL SPECIFICATIONS

SPECIFICATIONS

Controller

| | | |
|------------------------------|---|--|
| Operating Voltage | : | 12V AC/DC |
| Maximum Current | : | 300mA @ 12V DC (2 Reader version) |
| Relay Outputs | : | Doors - 2 x change over relay contacts Alarm - change over relay contacts |
| Relay Rating | : | 3A @ 250V AC |
| Output modes | : | Selectable pulse (250ms-60s)/latch |
| Solid State Inputs | : | 2 x Door Monitor 2 x Free Exit 1 x Fire alarm |
| Display | : | 4 x 7-segment LED Audible-Buzzer |
| Programming | : | Master cards (unlimited) /On-board buttons |
| User Capacity | : | 2000 users |
| Dimensions | : | 150mm (L) x 100mm (W) x 26mm (D) |
| Protection Category | : | Internal use only |
| Operating Temperature | : | -10°C to +60°C |

Readers

| | | |
|------------------------------|---|---------------------------------|
| Operating Voltage | : | 5-16V DC |
| Current | : | 45mA average |
| Operating Frequency | : | 125 kHz (EM4102) |
| Data Output | : | 26-bit Wiegand |
| Indications | : | Bi-colour LED, Buzzer |
| Read Range | : | ISO Cards – 70mm Tags – 50mm |
| Dimensions (Standard) | : | 75mm (L) x 39mm (W) x 15mm (D) |
| Protection Category | : | IP54 (encapsulated) |
| Operating Temperature | : | -10°C to +60°C |
| Cabling | : | 6 cores, 2m length (50m max) |