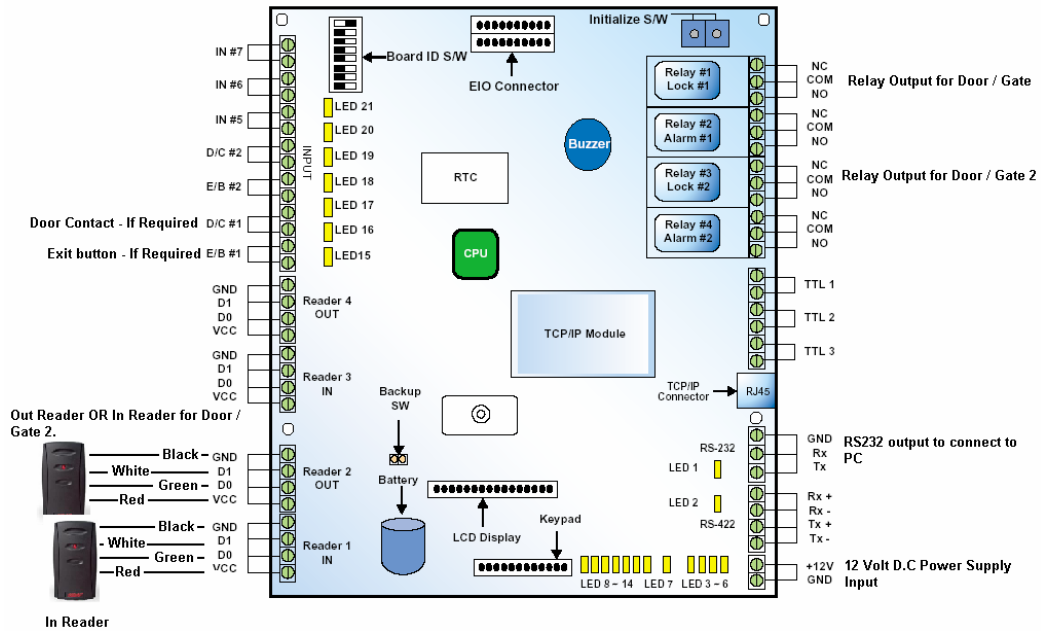
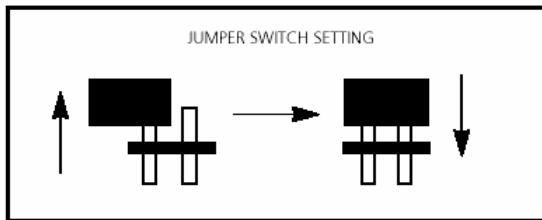


Step by step configuration of Ness iTDC Access Control System

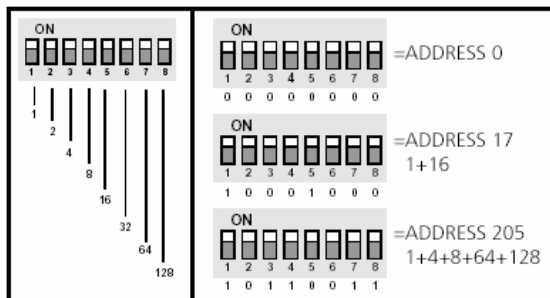
1. Wire Controller as per below



2. Connect Battery Jumper on the bottom left hand corner of the controller.

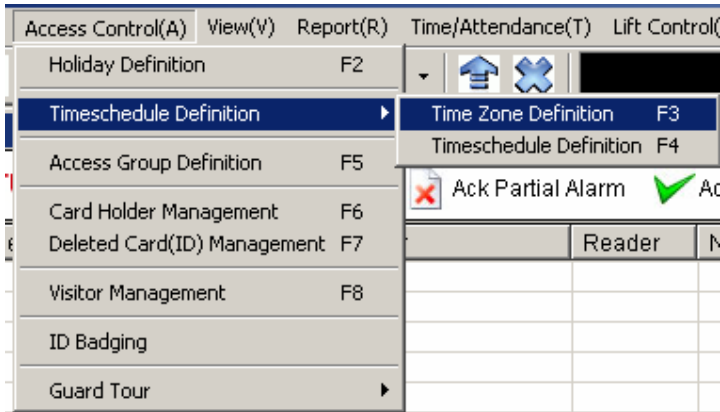


3. Set the address switch to address 0 by making sure they are all switch to the right / towards inside of the board.

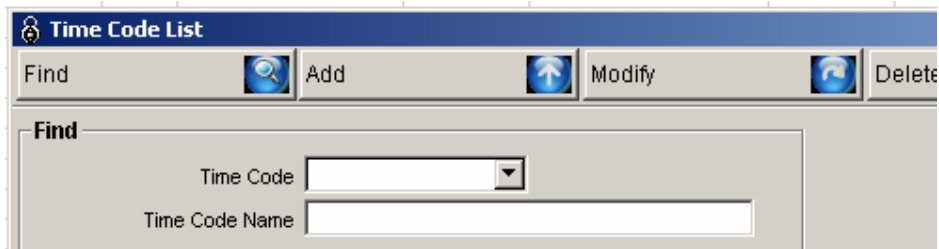


6. Set-up **Time Zones** and Time Schedules

6.1 – Click on Access Control / Time schedule Definition / Time Zone Definition.



6.2 Click on Add.



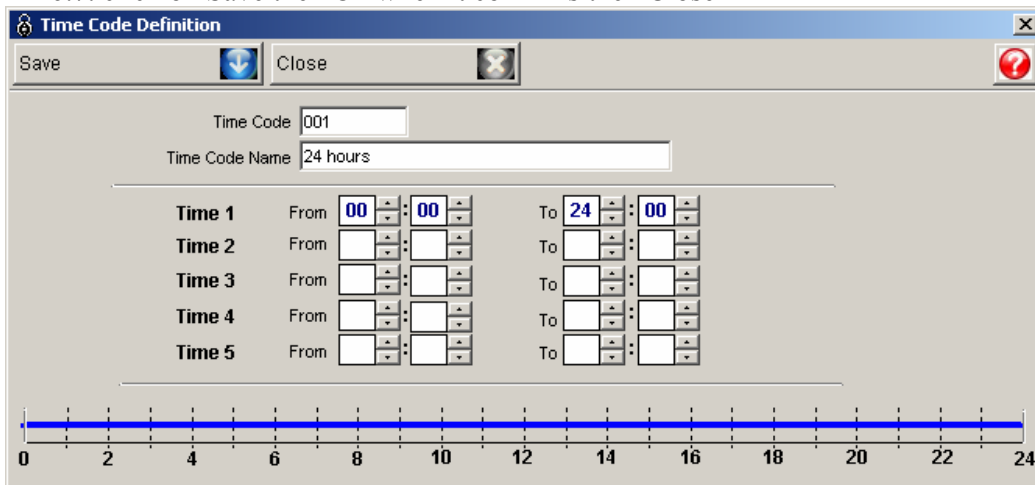
6.3. Create a Time Schedule allowing 24 Hour Access.

6.4. In Time Code enter a reference No. e.g. 001

6.5. Give this Time Code a name, e.g. 24 Hours

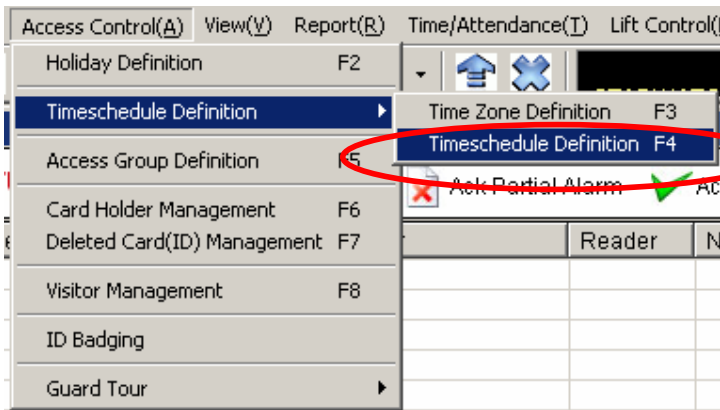
6.6. Click on the up and down arrows in Time 1 to select the access times. 00:00 – 24:00

6.7. click on Save then Ok when it confirms then Close



7. Set-up time Zones and Time Schedules

7.1 – Click on Access Control / Time schedule Definition / Time schedule Definition.



7.2 Click on Add.

7.3. Create a Time Schedule, which adds days to the Time Zone we created above.

In Time schedule Code select the first available – e.g. 01

7.4. Give this Time schedule a name, e.g. 24 Hours – 7 Days a week

7.5. Click on the arrow for each day, where the Time Zones as set-up above will be available to select

7.6. Click on Save then Close

A screenshot of the 'Timeschedule Definition' dialog box. The dialog has a title bar with 'Timeschedule Definition' and standard window controls. Below the title bar are buttons for 'Transmit', 'Save', and 'Close'. The main area contains the following fields:

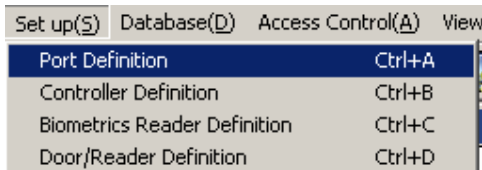
- Timeschedule Code: A dropdown menu with '01' selected.
- Timeschedule Name: A text box containing '24 Hours - 7 Days a week'.
- Days of the week: Seven dropdown menus, one for each day (Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday). Each dropdown is currently set to '24 hours'.
- Holiday: A dropdown menu set to '24 hours'.
- Holiday Code: A dropdown menu set to 'Not Use'.

At the bottom of the dialog is a grid for visualizing the schedule. The grid has seven rows labeled 'Holiday', 'Sunday', 'Monday', 'Tuesday', 'Wednesday', 'Thursday', and 'Saturday'. The columns represent hours from 0 to 24 in increments of 2. Each row has a solid blue horizontal line spanning the entire width of the grid, indicating that the schedule is active for all hours of every day.

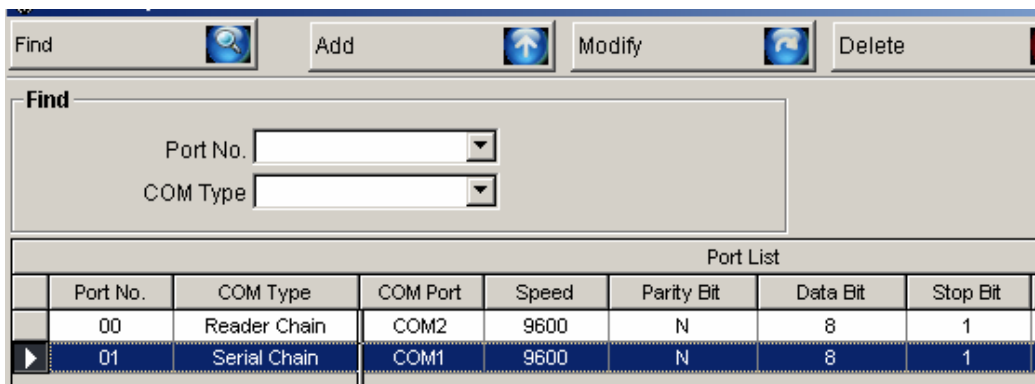
8. Set-up / establish communications between PC and controller

Confirm what RS232 communications port your computer is communicating from. (e.g. Comms 1 or 2 etc).

8.1 Click on Set-up / Port Definition



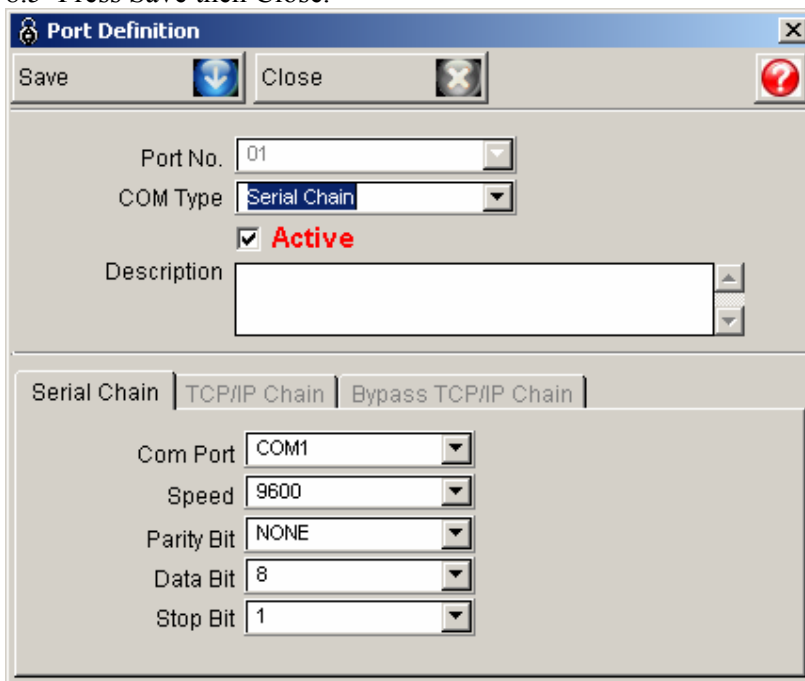
8.2 Click on “Serial Chain” and then Modify



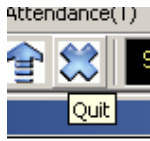
8.3 Ensure Com Type is set to “Serial Chain” and the Active option is selected.

8.4 Ensure the correct Com Port for your computers communications is selected.

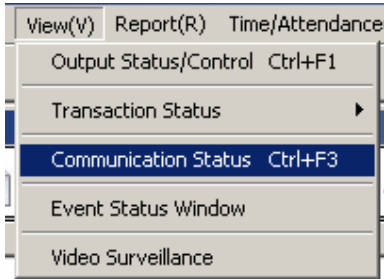
8.5 Press Save then Close.



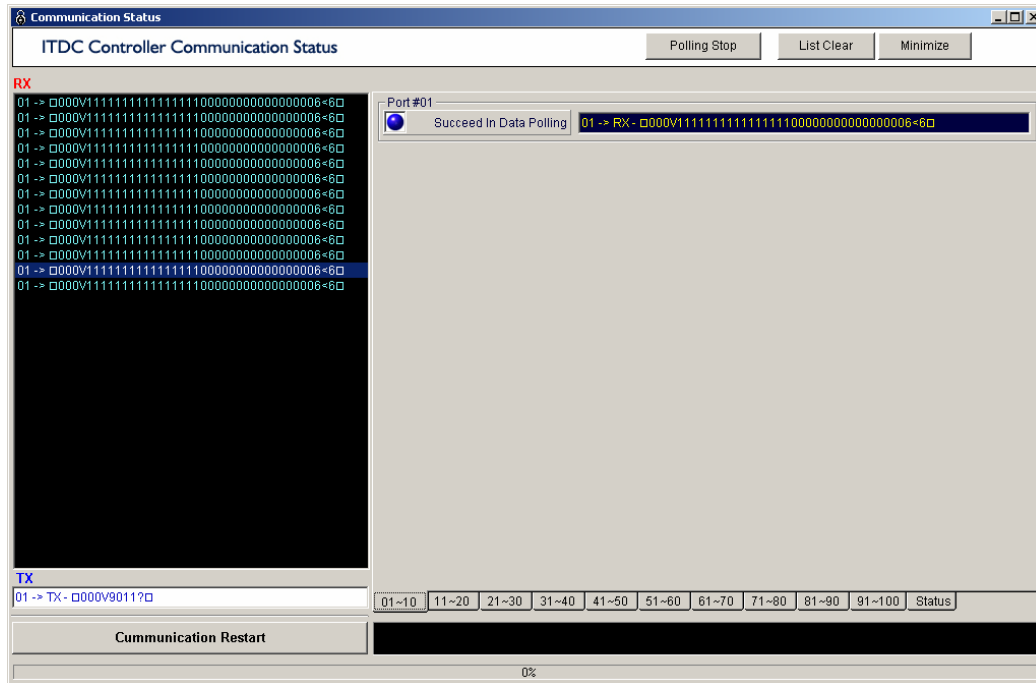
8.6 Close the program and then reopen it.



9. When the software is now opened after setting up the communications port you should be able to confirm it is communicating with the controller. Click on "View / Communication Status"

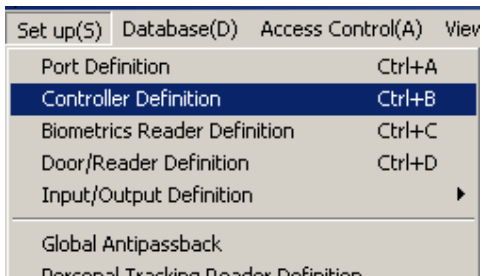


You should be able to see rows of numbers on the left had side of the screen as it polls the controller and gets a response.



10. Setting up the controller

Click on “Set-Up / Controller Definition”



10.1 Click on new to add a new controller.

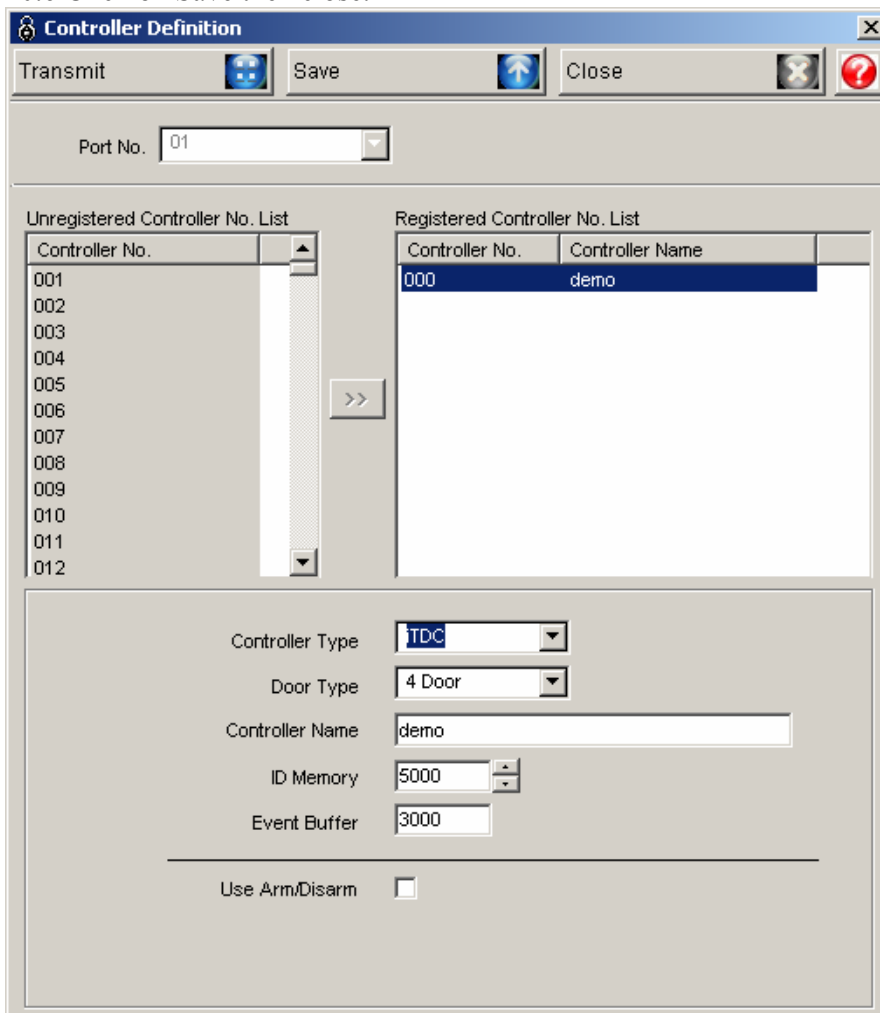
10.2 Click on Port 01 then controller 000.

10.3 Select iTDC as your controller type.

10.4 Select “2 Door” as the door type

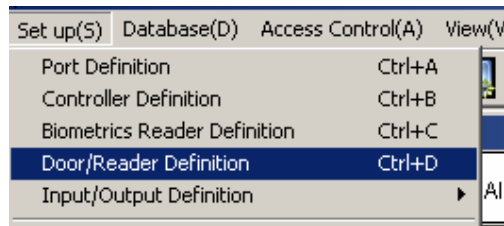
10.5 Give the Controller a name. (Anything you like – EG Demo controller)

10.6 Click on Save then close.



11.0 Door Configuration

11.1 Click on “Set up / Door / Reader Definition”



11.2 Click on Add

11.3 Select Port No. 01

11.4 Select Controller No. 000

11.5 Select Area 1

11.6 Select Floor location 01F

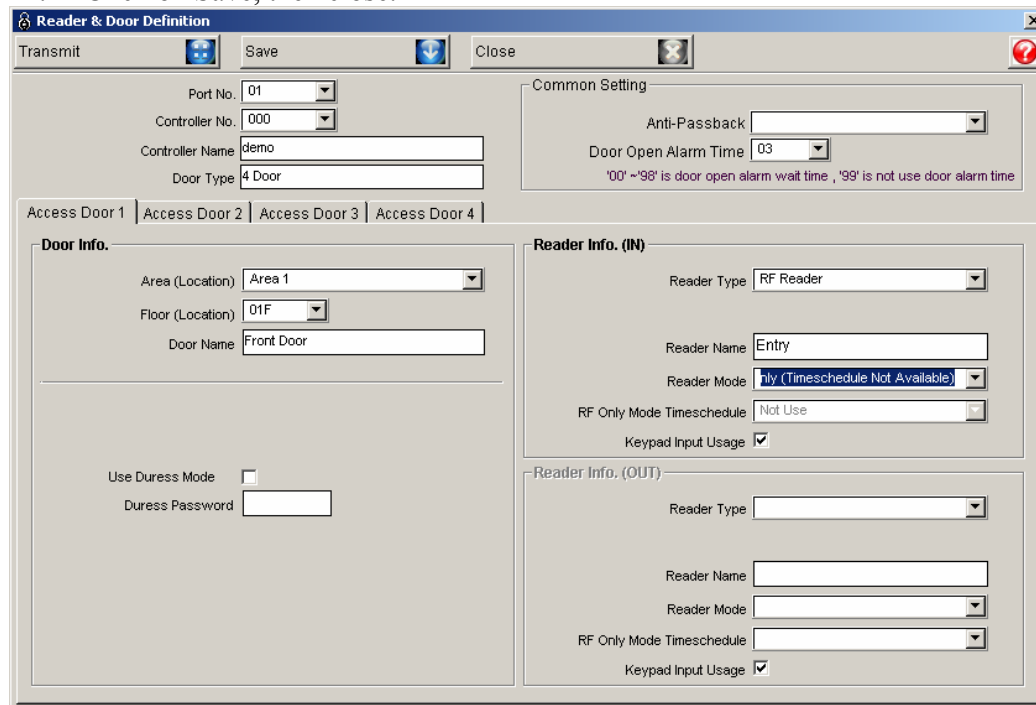
11.7 Give the Door a name (eg Front Door, Main entry Gate etc)

11.8 In “Reader Info (In) section under Reader Type, select RF Only

11.9 Give the Reader a name (eg Entry, in etc)

11.10 In Reader Mode select RF Only (Time schedule Not available)

11.11 Click on Save, then close.

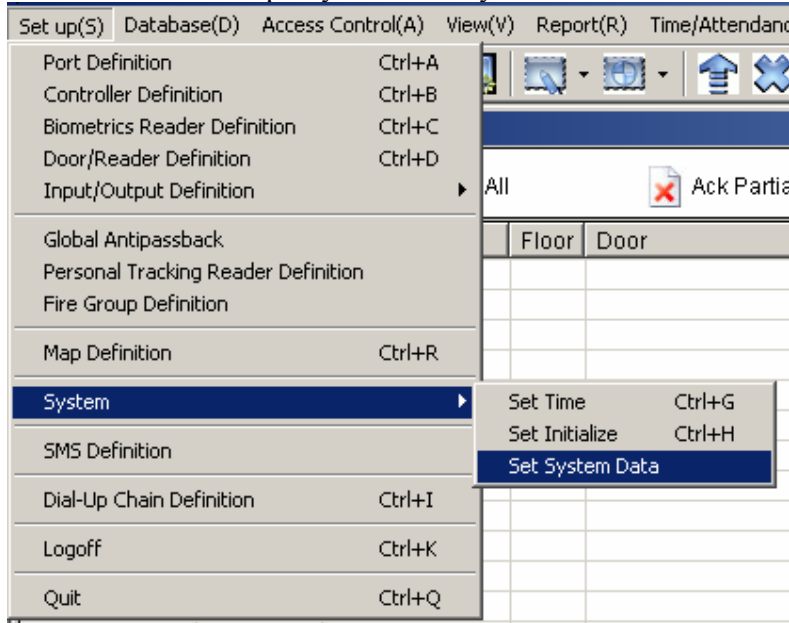
A screenshot of the 'Reader & Door Definition' window. The window has a title bar with 'Reader & Door Definition' and standard window controls. Below the title bar are buttons for 'Transmit', 'Save', and 'Close'. The main area is divided into several sections:

- Common Setting:** Port No. (01), Controller No. (000), Controller Name (demo), Door Type (4 Door), Anti-Passback (dropdown), Door Open Alarm Time (03).
- Access Door:** Access Door 1 (selected), Access Door 2, Access Door 3, Access Door 4.
- Door Info.:** Area (Location) (Area 1), Floor (Location) (01F), Door Name (Front Door), Use Duress Mode (checkbox), Duress Password (text field).
- Reader Info. (IN):** Reader Type (RF Reader), Reader Name (Entry), Reader Mode (RF Only (Timeschedule Not Available)), RF Only Mode Timeschedule (Not Use), Keypad Input Usage (checked).
- Reader Info. (OUT):** Reader Type (dropdown), Reader Name (text field), Reader Mode (dropdown), RF Only Mode Timeschedule (dropdown), Keypad Input Usage (checked).

12.0 Downloading Data to the controller

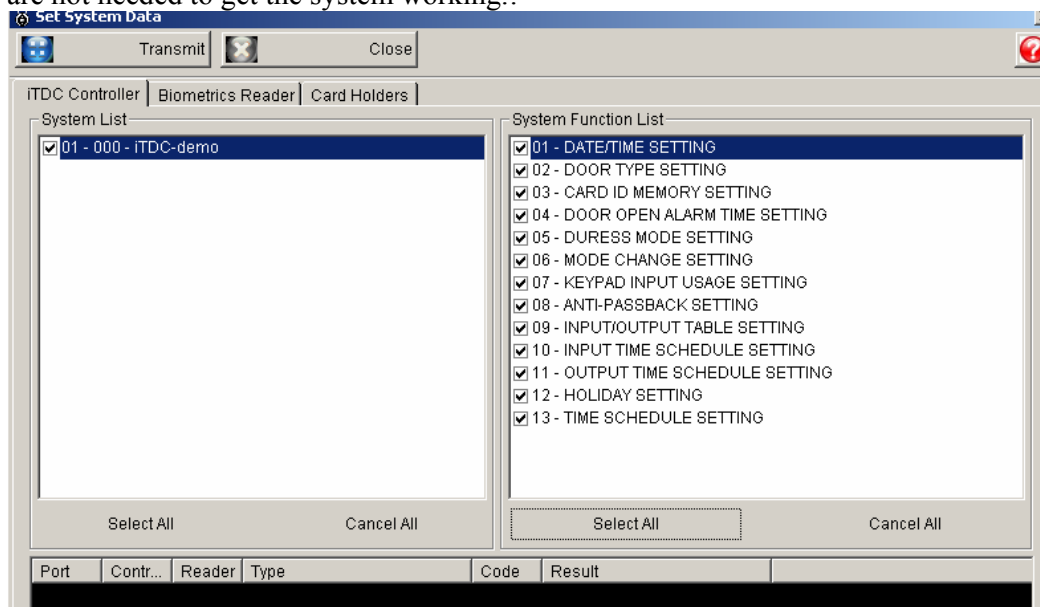
The above sets the data ready and as it does not need to be connected to the software for it to work you need to download the data to the controller. This could have been done on each programming step above, by clicking on “Transmit” after the data was saved, however it can also be all done from one step.

12.1 Click on “Set Up / System / Set System Data”



Click on Select All under each window, this will put a check in each item and select the controller.

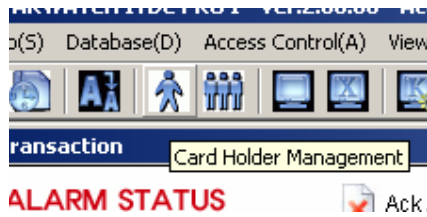
Click on “Transmit” and the database will be downloaded into the controller. There maybe some errors as we have not put data into everywhere (e.g. Holidays) as these are not needed to get the system working.!



13.0 Adding Cards.

Once the set up data is complete you can now add cards to the system.

Click on the little man, or “Access Control / Card Holder Management”



13.1 Click on Add to add a new user

13.2 Type in any reference No for the Employee No.

13.3 Enter the name of the new cardholder

13.4 Enter the card number. This is the card number printed on the card (last 8 digits)

If there is no number printed on the card, then present it to the reader, an Access denied message should be displayed with the card number. Use this card number.

13.5 If required select Company, Department, title etc. These can be setup / changed in the Database section.

Card Holder

Transmit Save Close

Employee No. 001
Name Greg Kingsley
Card No. 12312345
Password ****

0%

Detail Information | Access Group | Time & Attendance | Biometric Template Management | U

Company Company
Department Department
Title Title
Access Type Normal
Gender Male
E-mail
Registration Date 11-May-06
Expiration Date 11-May-06
 Auto Delete on Expiredd Date
Remark

Click on Access Group.
Select "Access Group / Defined Access Group.

Select All.

Then Save, then once saved click on Transmit to send this card holder data to the controller.

The screenshot shows the 'Card Holder' application window. At the top, there are buttons for 'Transmit', 'Save', and 'Close'. Below these are input fields for 'Employee No.' (000), 'Name' (Greg Kingsley), 'Card No.' (12345678), and 'Password' (****). The 'Access Group' section is active, showing a radio button for 'Defined Access Group' and a dropdown menu set to 'All'. Below this is a 'Selected Door List' table.

Access Door	Timeschedule
Front Door	Not Use
Main Entrance Gate	Not Use

Add more cards as required.

They should then start working in the controller and switch on the relay outputs.