**Password Authenticator User Manual**

* Steps for initial password set-up

1. **Password protection status** should be at logic 0.
2. Switch the **clock** on.
3. Make sure that **Pwd Write Permit Status** is at logic 1.
4. Set your 4-bit password by turning on any of the four input bits (**IP1**, **IP2**, **IP3**, **IP4**).
5. Wait for the **Pwd Successfully Set** flag to become high.
6. Make **Pwd protection status** high to enable protection for your system.
7. The **Pwd Write Permit Status** would have become low. This indicates that changing your input bits will not have any effect on the password that you have set. You can reset all the input bits to 0.

Note:

In case you have perform step 6 without performing step 5, switch the **Pwd protection status** flag off to 0 and wait for **Pwd Successfully Set** flag to become high.

* Steps to enter password

1. You can try unlocking the system by trying out various combinations of the input bits.
2. Make sure that **SubmitPwd** flagis high, else no password combination will be accepted by the system.
3. Upon entering the correct password combination, the **Pwd Accept Status** and the **Pwd Write Permit Status** flag will become high.
4. In case you have forgotten the password combination, you may try the **Forgot pwd** option. Making this high will reveal the last 2 bits of your password combination.

* Steps to reset password

1. When the input combination has been accepted, you can also reset the password combination. To set a new password, you can simply manipulate with the input bits.
2. To set your input combination as the new password, make the **SubmitPwd** flag 0.

***Warning:***

Do not make **SubmitPwd** flag 0 if either of **Pwd Successfully Set** or **Pwd Write Permit Status** is 0.

In case you have not heeded the above warning, you should re-enter the previous password and reset it again.

* Emergency

In case of emergency, you can also turn off password protection by making **Pwd protection status** 0.