DataVox_JSON_Password_v1.0.1

Re-Initialize	Initialize_FB
Save_Passwords	Password_Saved_FB
	Password_Save_Failed_FB
Password_Text_In	Password_Text
Select_User_Change	Select_User_Change_FB
User_Password_In	User_Password
Select_Admin_Change	Select_Admin_Change_FB
Admin_Password_In	Admin_Password
Select_Backdoor_Change	Select_Backdoor_Change_FB
Backdoor_Password_In	Backdoor_Password
	Password_Star
Keypad_0	
Keypad_1	User_Password_Correct
Keypad_2	Admin_Password_Correct
Keypad_3	Backdoor_Password_Correct
Keypad_4	Any_Password_Correct
Keypad_5	Password_Wrong
Keypad_6	
Keypad_7	
Keypad_8	
Keypad_9	
Keypad_Backspace	
Keypad_Enter	
Keypad_Clear	
Debug_Enable	Debug_Text

\\USER\\Config.json

User_Password

Admin_Password

Backdoor_Password

Instance ID 1

Re-Initialize – Reads the JSON file on the processor defined in the "Password_File_Location". This may be necessary when manually updating this file remotely and replacing. If a file matching that name and location does not exist, the module will create one on "Save_Passwords" pulse.

Save_Passwords – This will save any password that has been modified to the new value.

Password_Text In – This can be used with an external keyboard module or touch panel Text Input Smart Graphic. Supports alpha numerical values up to 100 characters.

Select_XXX_Change – This allows selecting which password is to be updated using the Password_Text_In signal on the module. This is not necessary if using XXX_Password_In serial join.

XXX_Password_In – Used to change the password associated with that user. Changes will not take until Save_Passwords is pulsed.

Keypad_X – A keypad.

Password_File_Location – Specify the path to where the JSON file is stored.

XXX_Password_JSON_Path – Object name to use from the config file specified in the "Password_File_Location".

Password_Saved_FB - Pulses for 2.5 seconds if the password is saved successfully.

Password_Save_Failed_FB – Pulses for 2.5 seconds if the password was unable to be saved to the new value. For troubleshooting set Debug_Enable high to get more detailed information on what may be causing the failure.

Debug_Enable – Set this high to get detailed logs. Logs will be output in Debug_Text due to VC4's lack of trace functionality.

Initialize_FB – This will go high after the system has successfully read the config.json file and found at least one password properly formatted.

Processor ID – if utilizing more than one module in a single program slot each instance will need a unique Instance ID.

Example JSON format:

```
{
    "User_Password": "12345",
    "Admin_Password": "54321",
    "Backdoor_Password": "thisIsaPassword!"
}
```

An Example Config.json file is also provided in the Archive.

Changelog :

V1.0.0 – Initial Release

V1.0.1

- Fixed an issue where first several attempts to compare passwords would fail.
- Fixed an issue where first several attempts to change passwords would fail.
- Added true Password Saved/Failed Feedback.
- Added true Initialized Feedback.
- Added VC4 Debugging Functionality and expanded the debugging scope.