Partner: Yale
Model: Lock
Device Type: Door Lock

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GENERAL INFORMATION

SIMPLWINDOWS NAME:	Yale Lock Logger And Multi-Lock Setup v1.0.umc
CATEGORY:	Miscellaneous
VERSION:	1.0
SUMMARY:	Provides a list of the most recent lock events and provides the ability to send user name and pin information to multiple Yale Lock modules and Yale locks.
GENERAL NOTES:	This will keep a list of username and pin information for 20 user ID's (1 through 20). The list will be stored in the processor's NVRAM as a file or a compact flash card if inserted in the Crestron processor. The update process consists of clearing the current lock user ID settings and replacing with the settings displayed in this module's list. This process is irreversible once started. This module will keep a list of the 50 most recent lock events that occurred. The "Lock_Events_Text" and "Alarm Event Text" outputs from the Yale Lock modules need to be sent to the "Log_Events_Text_In" input of this module.
CRESTRON HARDWARE REQUIRED:	2-Series Processor, C2COM3, 3-Series Processor, InfinetEX gateway.
SETUP OF CRESTRON HARDWARE:	Yale Door lock definition must be included in the SimpWindows project.
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	Door locks must have a ZigBee RF Module installed and be acquired to a CrestronInfinetEX gateway.
CABLE DIAGRAM:	N/A

CONTROL:

Log_Events_Text_In	S	Will keep a log of up to 50 event text notices from any of the Yale lock modules. "Lock Event Text" and "Alarm Event Text" from Yale Lock modules need to be sent to this input.
Log_Clear_List	D	Pulse to clear the list of lock events.
Log_Refresh_List	D	Pulse to refresh the list of lock events.
Setup_Select_Field_<1-40>	D	Pulse to select the User Name or User PIN field to update. Fields 1 – 39 (Odd) are User Names, while Fields 2-40 (Even) are User PINs.
Setup_Update_Locks	D	Press and hold for 5s to start updating all of the locks with the User Name and PIN information in the lists. Once started, any changes are irreversible.

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Setup_Stop_Update	D	Pulse to stop the updating of all of the locks with the User Name and PIN information in the lists.
Setup_Store_Current_List	D	Pulse to store the current User Name and PIN list as a file in NVRAM.
Setup_Recover_Stored_List	D	Pulse to load the current User Name and PIN list that is stored as a file in NVRAM.
Setup_Refresh_List	D	Pulse to refresh the User Name and PIN list.
Setup_Keyboard_Clear	D	Pulse to clear the User Name submission.
Setup_Keyboard_Shift	D	Pulse to enable/disable the shift function when entering a User Name.
Setup_Keyboard_Caps_Lock	D	Pulse to enable or disable the caps lock function when entering a User Name.
Setup_Keyboard_*	D	Pulse to enter a User Name to submit.
Setup_Numeric_Keypad_<0-9>	D	Pulse to enter a User PIN code to submit.
Setup_Keyboard_Submit	D	Pulse to submit the User Name or User PIN entered using the keyboard or numeric keypad signals.
Setup_Keyboard_Close	D	Pulse to close the keyboard or numeric keypad subpages.

FEEDBACK:

Log_List_Item_<1-50>_Text	S	Displays log list items 1 through 50.
Setup_Field_<1-40>_Is_Selected	D	Indicates which User Name or User PIN field is selected. Fields 1 – 39 (Odd) are User Names, while Fields 2-40 (Even) are User PINs.
Setup_Field_Selected_Val	A	Indicates the current setup field selected. Corresponds with the Setup_Field_<1-40>_Is_Selected signals.
Setup_User_ID_<1-20>_Text	S	Displays User ID 1 through 20 Text. For (3x20) scrolling text field.
Setup_User_Name_<1-20>_Text	S	Displays User Name associated with User IDs 1 through 20.
Setup_User_<1-20>_PIN_Text	S	Displays User PIN associated with User IDs 1 through 20.
Setup_User_Name_Or_PIN_Is_Missing	D	Indicates that a user name or PIN entry is missing.

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Setup_Is_Updating	D	Indicates that the user name and PIN information is being sent to locks.
Setup_Updating_Progress_Gauge	A	Indicates status of updating lock user names and PINs.
Setup_Updating_Is_Complete	D	Indicates that the updating of the locks is complete.
Setup_Update_Is_Cancelled	D	Indicates that the updating of the locks was cancelled.
Setup_Current_List_Is_Stored	D	Indicates that the current list of user name and PIN numbers has been stored as a file in NVRAM.
Setup_Duplicate_PIN_Found	D	Indicates that a duplicate PIN is already in the list. The current entry will not be accepted.
Setup_Invalid_PIN_Length_Found	D	Indicates that the PIN number enter has an invalid length.
Set_Num_Of_Items	D	Value to be sent to Core3 scrolling list smart object.
Setup_Display_User_Name_Entry_Subpage	D	Displays a subpage with keyboard signals available.
Setup_Display_User_PIN_Entry_Subpage	D	Displays a subpage with keypad signals available.
Setup_Keyboard_Text	S	Displays Keyboard Text Output
Setup_Keyboard_Shift_Is_On	D	Indicates that the keyboard shift is on.
Setup_Keyboard_Caps_Lock_Is_On	D	Indicates that the keyboard caps lock is on.
To_Module_User_ID	S	User ID to be sent to lock module.
To_Module_User_Name	S	User name to be sent to lock module.
To_Module_User_PIN	S	User PIN to be sent to lock module.
To_Module_Set_User_PIN	D	User PIN to be sent to lock module.
To_Module_User_Delete	D	User delete to be sent to lock module.

TESTING:

OPS USED FOR TESTING:	2-Series: v4.007.0004 3-Series: v1.005.0007
SIMPL WINDOWS USED FOR TESTING:	v4.02.08
DEVICE DB USED FOR TESTING:	v48.05.005.00
CRES DB USED FOR TESTING:	v37.05.005.00
SYMBOL LIBRARY USED FOR TESTING:	v855
SAMPLE PROGRAM:	2 Series: Yale Lock v1.3 Demo PRO2.smw 3 Series: Yale Lock v1.3 Demo MC3.smw
REVISION HISTORY:	v1.0