Manufacturer: Control Concepts Inc.
Model: Custom Passcode
Plugin Type: Utility

TABLE OF CONTENTS

Manufacturer: Control Concepts Inc.
Model: Custom Passcode
Plugin Type: Utility

GENERAL INFORMATION	
Q-SYS PLUGIN NAME:	CCI Custom Passcode Utility
VERSION:	1.0
AUTHORED BY:	Control Concepts Inc.
SUMMARY:	This Q-SYS Utility Plugin allows users to easily implement custom passcode functionality that allows user to configure a main pass code and a backdoor passcode.
DEVICE USED FOR TESTING	QSC Q-SYS Core 110f (9.4.2)

Manufacturer: Control Concepts Inc.
Model: Custom Passcode
Plugin Type: Utility

INITIAL SETUP

|	
PROPERTIES	**Custom Passcode v1.0 Properties** | FileName	passcodes.json
Show Debug	No | The 'FileName' property determines the name of the JSON file that will be saved on the core that contains the current passcode set in the plugin and the backdoor passcode. IMPORTANT: The FileName must end with '.json' in order for it to work properly. If the plugin is running in emulation mode, this feature will be disabled.
OVERVIEW	This plugin allows users to easily implement system passcode protection on any system. Along with a main passcode, the user must configure a backdoor in case the main password has been forgotten. The plugin offers two modes: **Compare Mode** will compare the text propagated to the 'Keyboard Input' field with the 'Passcode' and 'Backdoor' fields when the 'Enter' button is pressed. **Change Mode** will assign the text propagated to the 'Keyboard Input' field to the 'Passcode' field when the 'Enter' button is pressed, effectively changing the passcode.
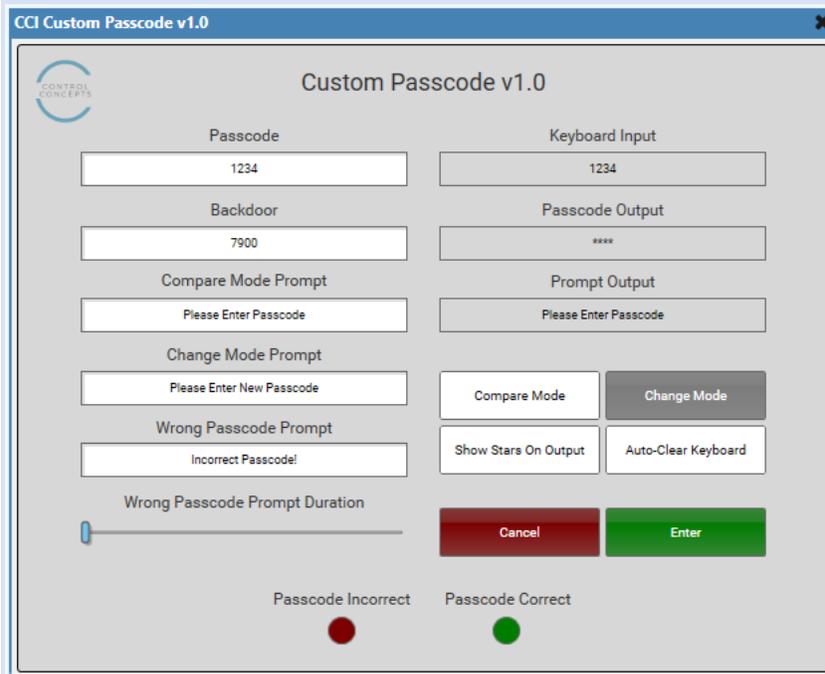
Manufacturer: Control Concepts Inc.
Model: Custom Passcode
Plugin Type: Utility

	This plugin is intended to be used with the CCI Custom Keyboard utility plugin where the 'Keyboard Text Out' pin of the CCI Custom Keyboard plugin is connected to the 'Keyboard Input' pin of the this plugin and the 'Keyboard Clear' pin of this plugin is connected to the 'Clear' pin of the CCI Custom Keyboard plugin.
DESIGN EXAMPLE	
	In the example above, we are using the number pad and backspace button from the CCI Custom Keyboard plugin and elements from the CCI Custom Passcode plugin to create a cohesive and simple UI for pin protecting a system.
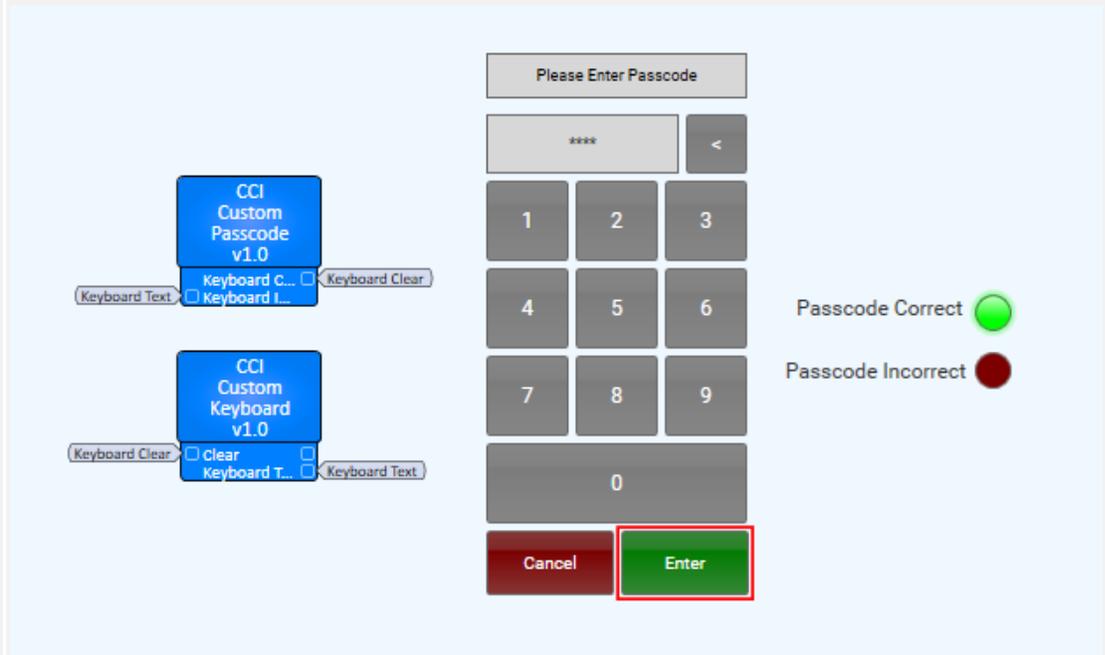
Manufacturer: Control Concepts Inc.
Model: Custom Passcode
Plugin Type: Utility

PLUGIN CONTROLS	
Passcode	Set to the desired passcode for the plugin
Backdoor	Set to the desired backdoor passcode for the plugin
Keyboard Input	Set to the string that will compared with the password and backdoor if in 'Compare Mode'. Set to the string of a new passcode if in 'Change Mode'
Entered Passcode Output	Displays the string propagated on Keyboard Input. If 'Show Stars' is on, this will display asterisks in place of the actual Keyboard Input string.
Compare Mode Prompt	Set to a string that will display on the Prompt Output when in 'Compare Mode'
Change Mode Prompt	Set to a string that will display on the Prompt Output when in 'Change Mode'
Wrong Passcode Prompt	Set to a string that will display on the Prompt Output when an incorrect passcode has been entered.
Prompt Duration	Determines the amount of time the 'Wrong Passcode Prompt' will display on the Prompt Output when an incorrect passcode has been entered.
Prompt Output	Displays the current message for users depending on the mode or if an incorrect passcode has been entered.
Enter	If in Compare Mode, pressing enter will compare the entered passcode with the current passcode and backdoor passcode. If in Change Mode, pressing enter will set the passcode to the string propagated to the Keyboard Input.
Cancel	Pressing will clear the keyboard input and set the mode to Compare Mode.
Compare Mode	Press to engage mode where pressing enter will compare the Keyboard Input string with the current passcode and backdoor.
Change Mode	Press to engage mode where pressing enter will change current passcode to the string propagated to the 'Keyboard Input' field.

Manufacturer: Control Concepts Inc.
Model: Custom Passcode
Plugin Type: Utility

Show Stars	Turn on to display asterisks on Entered Passcode Output in place of the 'Keyboard Input' text.
Auto-Clear Keyboard	When on, the 'Keyboard Clear' output pin from the plugin will automatically pulse after the user presses 'Enter'.
Passcode Correct	Pulses when user enters correct passcode.
Passcode Incorrect	Pulses for time specified by 'Prompt Duration' when user enters incorrect passcode.

Manufacturer: Control Concepts Inc.
Model: Custom Passcode
Plugin Type: Utility

ADDITIONAL INFORMATION	
Change Log	v1.0 – Initial Release
Support	Company: Control Concepts Inc. Email: support@controlconcepts.net