Module Information:

Name: RBI Password Helper v2

Author: Hope Roth

Summary: This module uses the built-in authentication of the Crestron processor to enable password protection on a GUI. It will log all password checks (both successful and unsuccessful) to the device's error log using the device_name parameter to specify which interface was used. This module differentiates between different levels of access. If the selected user is in more than one group on the processor, it will default to the highest level of access.

Inputs/Outputs/Parameters:

Inputs:

checkPassword	Pulse to authenticate using the inputted username and password.
username$	The username to check against
password$	The selected user's password.
clear_authentication_[xx]	Pulse one of these to clear out authenticated fb.

Outputs:

password$	This should be the same as the password$ input in order to clear out the password after a password check.
password_error_pulse	This will pulse if there is an error. The most common reason for an error is that authentication is not enabled.
password_incorrect_pulse	This will pulse if the specified username and password combination is incorrect.
admin_correct_pulse	This will pulse if the specified username and password combination is correct and the selected user is in the administrator group.
programmer_correct_pulse	This will pulse if the specified username and password combination is correct and the selected user is in the programmer group.
operator_correct_pulse	This will pulse if the specified username and password combination is correct and the selected user is in the operator group.
user_correct_pulse	This will pulse if the specified username and password combination is correct and the selected user is in the user group.

connect_correct_pulse	This will pulse if the specified username and password combination is correct and the selected user is in the connect group.
other_correct_pulse	This will pulse if the specified username and password combination is correct and the selected user is in a user specified group.
admin_correct_fb	This signal will be held high after a successful login of an administrator. It will be cleared with a pulse from clear_authentication_[xx].
programmer_correct_fb	This signal will be held high after a successful login of a programmer. It will be cleared with a pulse from clear_authentication_[xx].
operator_correct_fb	This signal will be held high after a successful login of an operator. It will be cleared with a pulse from clear_authentication_[xx].
user_correct_fb	This signal will be held high after a successful login of a user. It will be cleared with a pulse from clear_authentication_[xx].
connect_correct_fb	This signal will be held high after a successful login of a connect. It will be cleared with a pulse from clear_authentication_[xx].
other_correct_fb	This signal will be held high after a successful login of a user in a user-specified group. It will be cleared with a pulse from clear_authentication_[xx].

Parameters:

device_name	This parameter specifies which GUI this module is connected to and is used in order to write login attempts to the error log.