HSIM (HouseLogix Security Integration Module)

Installation Instructions V1.01 - 20131202

TOOLS REQUIRED:

- Small flat head screw driver
- Standard #22 gauge solid core alarm wire is recommended

INSTALLATION:

1. Security panel prerequisite programming (***not required for DSC or older Vista SE panels***)
    a. *If you are unfamiliar with programming the security system panel, please refer to the programmers guide or contact your security professional.*
    b. Since the HSIM functions as a keypad, a new address in the security panel must be programmed before connecting. Here is a list of Honeywell devices that require an address to function. Be sure none of these other devices overlap or share an address:
        i. Keypads
        ii. RF Expanders (Wireless)
        iii. Output Devices - Relays
        iv. Long Range Radio - Ethernet or GSM devices
        v. AUI - Advances User Interface
        vi. Honeywell RIS - Remote Interactive Service - Total Connect
    c. To add the adapter, enter into programming mode using the installer code. EG: If your installer code is 1234, you would enter 1234800. DO NOT overlap addresses with any of the devices listed above. It is recommended you use the following settings for the HSIM keypad address:
        i. Device Address: varies, do NOT overlap with existing devices
        ii. DeviceType: 01 - Alpha Keypad
        iii. Sound Option: 0
        iv. Keypad Global: 0
        v. AUI: 0
    d. Write the assigned address below:

        _____

2. Physical Connection
    a. *It is recommended you contact the monitoring company and put the system in test mode. Once completed, disconnect the power adapter and backup battery from the alarm system.*
    b. Begin by connecting the security wire to the alarm panel keypad bus following the standard color and wiring scheme:

HONEYWELL/ADEMCO	**DSC**
- Power (-): Black	**- Power (-):** Black
- Power (+): Red	**- Power (+):** Red
- DI: Green	**- DI:** Yellow
- DO: Yellow	**- DO:** Green

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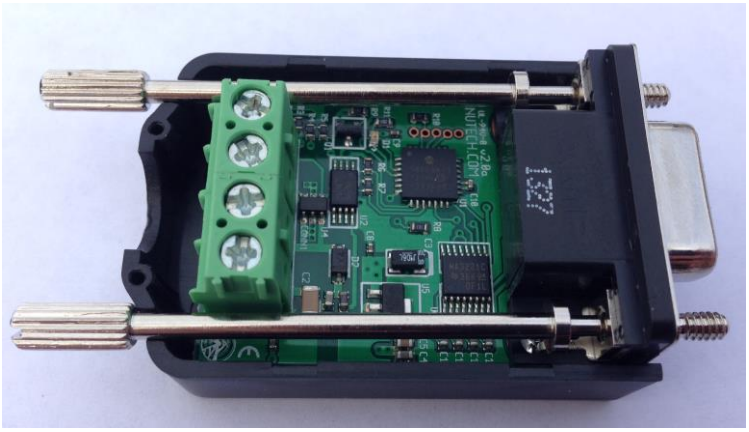
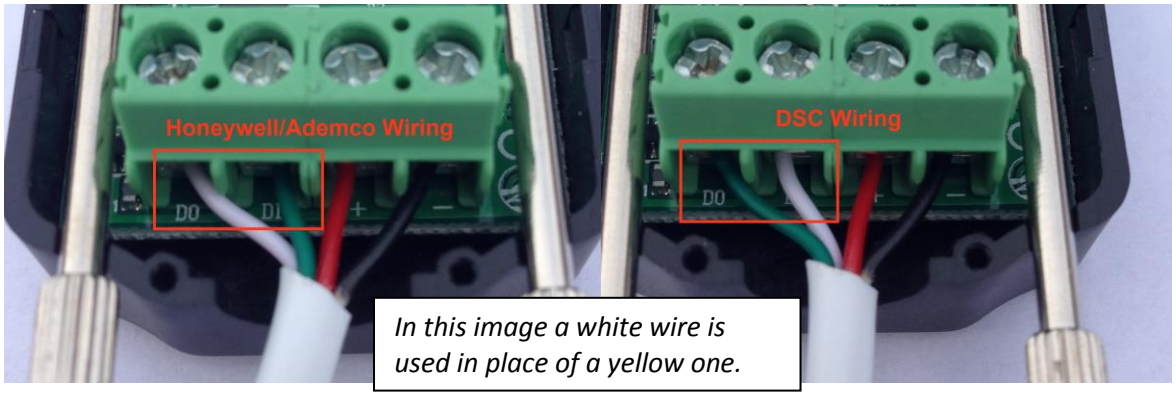
c. Remove the top cover of the module. There you will find a 4 screw terminal block with the associated DO, DI, 12V, and GND labels.



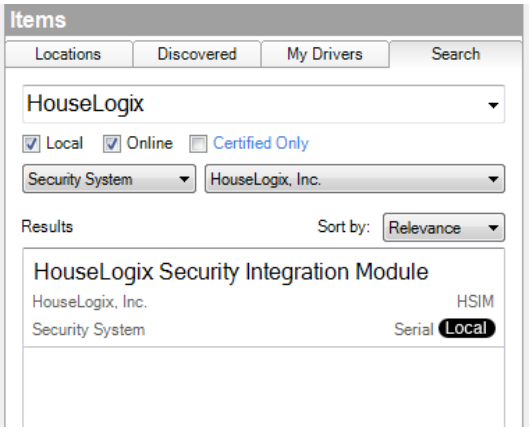
d. Connect the other end of the security wire to the integration module following the same color scheme. Tighten the terminal blocks and verify the wires are secure.



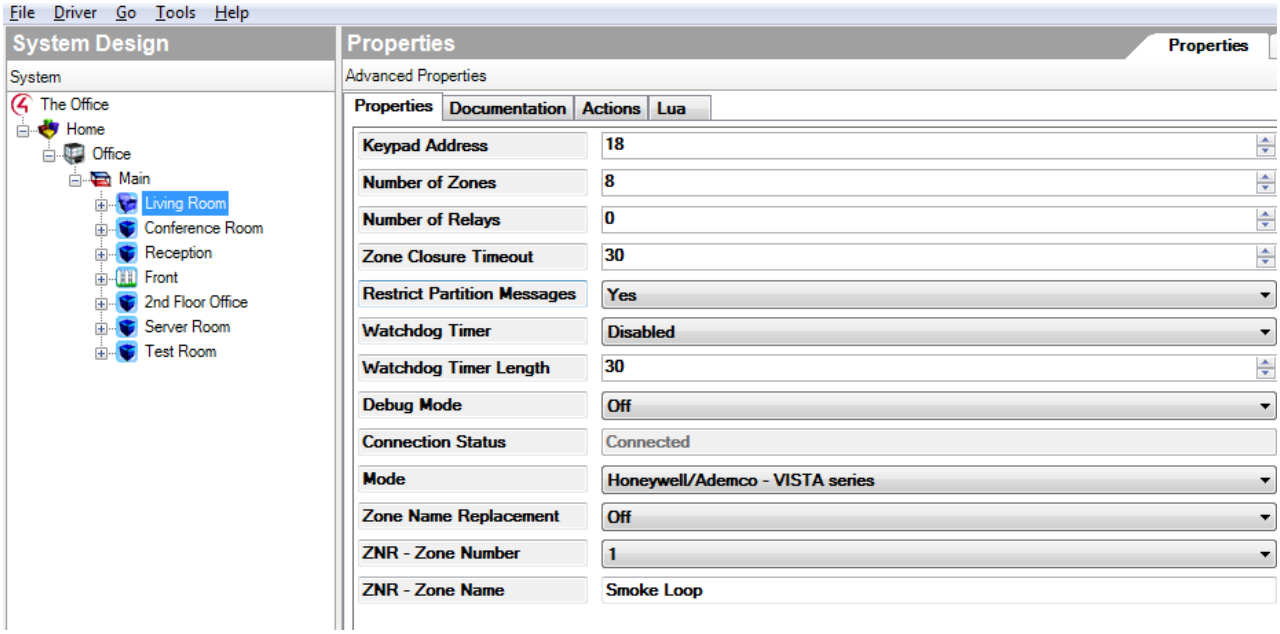
In this image a white wire is used in place of a yellow one.

e. Return power to the alarm panel and connect the battery backup. When power is connected the integration module should have a blinking green LED indicating the unit is receiving messages from the panel.
f. Attach the top half of the module's cover and plug directly into your controller.

3. Control4 Programming
    a. Once the security panel programming and physical connection has been made, open Composer Pro and connect to the local project.
    b. Add the integration module driver to the project. It can be found under:
        i. Search - “Local Database”
        ii. Device Type – “Security System”
        iii. Manufacturer – “HouseLogix, Inc.”
        iv. Name – “HouseLogix Security Integration Module”



c. Once the driver has been added to the project, switch to the “Connections” tab and bind the RS232 port to the matching Control4 interface.
d. Switch back to the “System Design” tab. The driver will read the current adapter settings and update the Properties tab.
e. At this point you can modify any of the settings below:
    i. **Keypad Address**: Integer
        1. When using Honeywell, this should be changed to the address written down above that was programmed into the alarm panel. Default HSIM address is 18.
    ii. **Number of Zones**: Integer
        1. Input the highest number zone you would like to monitor, even if they aren't all used. EG: If you have zones 1,2,3,4,5, 25,26,27,28 and 29 hooked up, you would input 29. Pressing Set will generate those zones so you can connect them to generic sensors in the Connections tab.
    iii. **Number of Relays**: Integer
        1. Input the total number of relays to activate on the security panel. The driver supports a total of 16 relays, however, you must program the relay board(s) to start at address 12. Only relay status is available, not control.
    iv. **Watchdog Timer**: Enabled or Disabled.
        1. If Enabled, after the allotted time in the Watchdog Timer Length property expires, it will toggle the WatchdogFailure variable (set to true) under the Security System driver in the Programming tab. This is helpful for determining if the security panel has lost communication with the controller.
    v. **Watchdog Timer Length**: Integer
        1. The amount of time (in minutes) before the WatchdogFailure variable is tripped in programming. The lower the setting, the higher potential use of resources on the controller.
    vi. **Debug Mode**:
        1. Used for debugging the driver. Output is displayed on the Lua tab.
    vii. **Connection Status**:
        1. Shows the current connection status of the HSIM.
    viii. **Mode**:
        1. Allows the HSIM to be converted from Honeywell to DSC control.
    ix. **Zone Name Replacement**:
        1. Allows the ZNR to be enabled or disabled.
        2. ZNR allows a security panel that is not programmed with Zone Names to accurately show the appropriate zone name on the navigator or interface.
    x. **ZNR - Zone Number**:
        1. Used to set the zone number for naming the appropriate zones.
    xi. **ZNR – Zone Name**:
        1. Used to set the zone name for each zone.



f. If you would like to monitor any zones or relays, add the generic sensors or relays to the project in the "System Design" tab and then connect each to the corresponding Zone number in the "Connections" tab.

g. Refreshing the Navigators (Shift + F5) should now show the security system keypad under the Security icon and any connected sensors will show their status under Motorization and Sensors.

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