Step-by-Step

Honeywell

Adding Simple-n-Easy Lighting Control to Honeywell Security Panels

Simply Automated has introduced a pre-configured simple-n-easy lighting control line of products that can be integrated with our Honeywell security panels with voltage trigger or dry contact closure outputs.

- No computer programming is required.
- Ready to use out of the box.
- Simple plug-n-play installation. 1-2-3 Done.
- Utilizes powerful, ultra-reliable UPB Powerline technology.
- The following table shows the most current Honeywell security panels and their limitations:

Panel Type	Maximum No. Of		No. of Programmable Functions
	4204's	Voltage Trigger	
Vista-10p	1	2	4
Vista-15p	2	2	24
Vista-20p	4	2	48
Vista-32fb	Rev. 1 = 8*	See Panel II's **	Rev. 1 = 32, Also 1 on board relay
	Rev. 2^+ = 15*	See Panel II's **	Rev. 2^+ = 96, Also 1 on board relay
Vista-40	8	See Panel II's **	8
Vista-50p	4	See Panel II's **	16
Vista-128b	Rev. 1 = 8*	See Panel II's **	Rev. 1 = 32
	Rev. 2^+ = 15*	See Panel II's **	Rev. 2^+ - 96
Vista-128bp	15*	See Panel II's **	96
Vista-128fb	Rev. 1 = 8*	See Panel II's **	Rev. 1 = 32, Also 1 on board relay
	Rev. 3^+ = 15*	See Panel II's **	Rev. 3^+ = 96, Also 1 on board relay
Vista-128fbp	15*	See Panel II's **	96, Also 1 on board relay
Vista-250bp	15*	See Panel II's **	96, Also 1 on board relay

* - In Addition to the 4204 Relay Module, which only supports up to 60 relays, you can utilize the 4101sn serial module.

** - Each Panel Support Different Trigger Functions, Refer to the panels Installation instructions for more details.

Hardware Needed:

Lamp Starter Kit (PN: DKIT-03SP):
Includes 2 Lamp Modules and an Input Output Module

Dimmer Starter Kit (PN: DKIT-04SP):
Includes 2 Dimmer modules and 1 I/O module

How it works:

Because there is no direct integration with Honeywell security panels and Simply-Automated lighting products, a 4204/4101sn relay module/s and/or a Positive or Negative voltage trigger is required to activate the three Inputs on the Input/Output Module.

Pre-Configured Input 1:

- Low voltage input (Only).
- Turns on one lamp module from DKIT-03SP (or one dimmer from DKIT-04SP) when trigger is enabled.
- Turns off one lamp module from DKIT-03SP (or one dimmer from DKIT-04SP) when trigger is disabled.

Used for delay entry/exit (lights on for entry, off for exit), arm/disarm acknowledgement, door strike or motion sensor interface. Installer needs to program security panel for each trigger interface. (Provide 0 Volt 'off' or 4 Volt AC/DC min to 40 Volt AC/DC Maximum 'on' trigger) from security panel connect to input terminals 6/7 of the I/O Module.
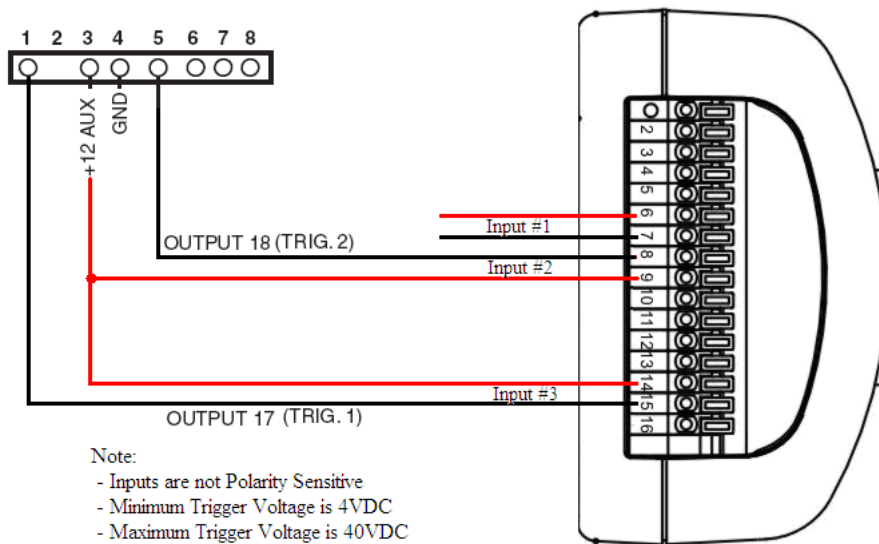
Pre-Configured Input 2:

- Low voltage or contact closure input.
- Turns on both lights and flashes when triggered is enabled.
- Turns off lights and stops flashing dimmers when trigger is disabled. Used for fire, intrusion or panic alarms.
- Installer needs to program security panel for alarm type and trigger.
- Low voltage wires (Provide 0 Volt 'off' or 4 Volt AC/DC min to 40 Volt AC/DC Maximum 'on' trigger) from security panel connect to input terminals 8/9, or contact closure wires (provide open – 'off' or closed – 'on' trigger) connect to input terminals 9/10 of the I/O module.
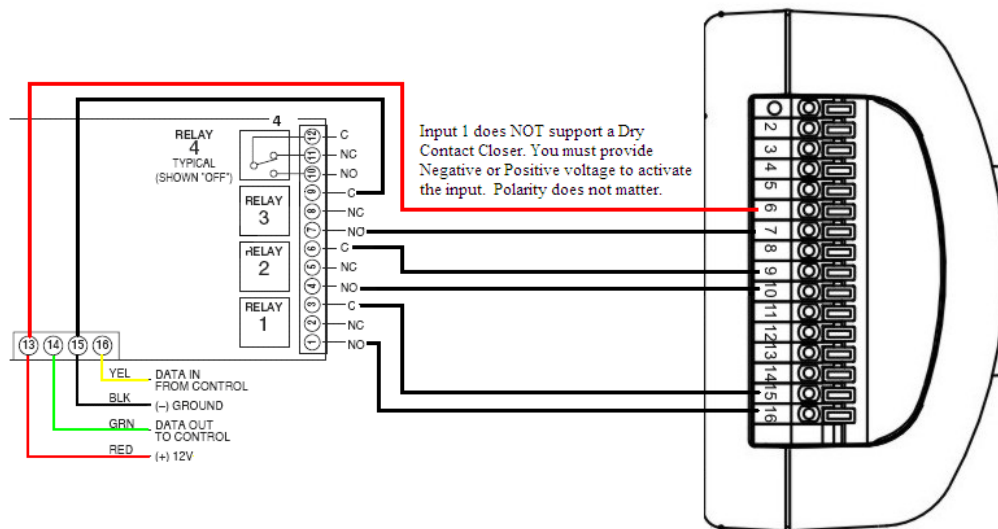
Pre-Configured Input 3:

- Low voltage or contact closure input.
- Turns on both lights when trigger is enabled.
- Turns off both lights when trigger is disabled.

Used for fire, intrusion or panic alarms. Installer needs to program security panel for alarm type and trigger. Low voltage wires (provide 0 Volt 'off' or 4 Volt AC/DC min to 40 Volt AC/DC Maximum 'on' trigger) from security panel connect to input terminals 14/15, or contact closure wires (provide open – 'off' or closed – 'on' trigger) connect to input terminals 15/16 of the I/O Module.

Using the voltage triggers (20p series controls):

Using a Contact Closer:

Programming:

Each Input on the I/O module can be program based on the any event that is set up in your Relay Programming section of your security panel. Each Input will supply a different output. Refer to the Pre-Configured Inputs Section above when considering your lighting application.

Example:

I want to flash both lights on any burglar alarm.

- You will program the panel to activate on a Start Zone Type of 33 Any Burglar Alarm
- Stop on Disarm Zone Type 22.
- The next step is to assign it to a relay or voltage trigger.
- After the programming is done test to confirm that the relay module and/or voltage trigger has toggled.
- Wire the relay or voltage trigger to input #2 since it is predefined to flash both lights when activated.

When using Honeywell security panels to activate the Simply-Automated Input/Output module there are a couple things to take into consideration:

1. Activating the input does not directly control a light; refer to the Pre-Configured Inputs Section above.
2. Each panel is limited to the # of Out Puts it has available; refer to page 1 for compatible panels and supported outputs.

Adding More Devices

The above document describes how to integrate the dimmer or lamp module security panel starter kits from Simply Automated with our control panels. Simply Automated has a complete line of accessories for easy expansion. Choose from additional lamp module and dimmer accessories – or lighting control/automation starter kits to allow the homeowner to create custom lighting scenes. Refer to www.simply-automated.com for more information.

The Following Links may be helpful:

I/O Module Users Guide or Lamp Module Users Guide

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