

Connected A



- 6 French Doors
 - 5 Front Windows
 - 4 Kitchen Door
 - 3 Front Door
 - 2 Heat Detector
 - 1 Smoke Detector
- out Smoke/Heat status
- pwr Smoke/Heat Detectors A1,2

Connected B



- out Delay Entrance status
 - 6
 - 5 Breakfast Windows
 - 4 Kit Sink Windows
 - 3 Laundry Door
 - 2
 - 1
- pwr Alarm Relay board

Connected C



- out Instant sensor status
 - 6 Foyer Motion
 - 5 Gate
 - 4
 - 3 Rec Room Motion
 - 2
 - 1 Living Room Motion
- pwr Motion Detectors C1,3,6

Connected D



- out Motion sensor status
 - 6
 - 5 Rec Room Windows
 - 4 Rec Room Door
 - 3 Shop Door
 - 2 Main Glass Break
 - 1 Shop Windows
- pwr D2-Glass Break

Panel Information

This panel contains the house's wired contact/sensor connections. They pass through here for automation and alarm purposes. All sensor inputs are received through the Connected boards which are transmitted to Smartthings for automation and sensor classification (smoke, delay, immediate, motion). Smartthings then activates the corresponding Connected output, based on that classification, which passes through the proper Alarm Relay to tell the independent alarm system what's going on.

Alarm Relay Example:

The Kitchen Door opening is picked up by Connected board A, pin 4 which passes the data to Smartthings via Wi-Fi. Smartthings processes any required automation and determines the Kitchen door is a delayed entry door and activates Connected B's output. That trips the 2nd Alarm Relay which tells the alarm system a delayed door opened (This mirrors the original kitchen door contact sensor that was previously attached to Zone 2 of the alarm board). Once Smartthings determines all Delayed sensors are off (doors closed), it turns Connected B's output off thus "relaying" the all clear status to the alarm system.

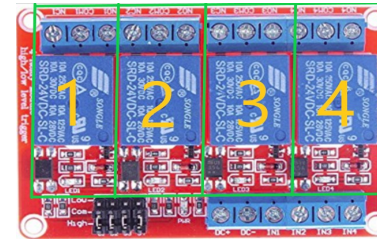
Alarm processing Note:

Other than classification and signal relay, this panel and the Smartthings processes do no process or determine alarms. See the alarm panel box which contain the siren, remotes and keypads as well as controls the alarm status and activation.

D-Link DAP1650 Wi-Fi Board



Alarm Relay



Relay #	Purpose	Input	Type	Alarm Zone
1	Smoke/Heat	Connected A Alarm	N/C	1
2	Delay	Connected B out	N/O	2
3	Immediate	Connected C out	N/O	3
4	Motion	Connected D out	N/C	8
DC+		Connected board B Aux		

* See Smartthings WebCore routines for sensor mapping to alarm triggers