



DIWODO : Elite solutions for amazing clients



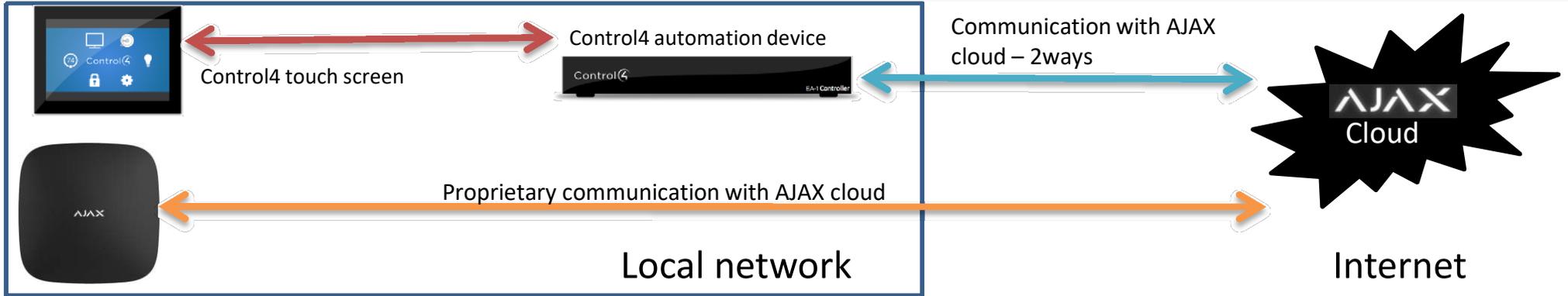
AJAX Systems with Control4 support

The AJAX logo, consisting of the word 'AJAX' in a bold, white, sans-serif font with a modern, slightly italicized feel, set against a dark grey rectangular background.





System Architecture



Control 4 automation device communicates to AJAX Cloud

User account must have only user rights (not ADMIN or PRO) to ensure highest security

AJAX System remain independant from the Control4 driver suite

Failures of the Control4 system does not prevent AJAX System to work, in that case only Control4 is not operating.



Hub Series driver (main driver)

- All Hubs support

Hub 1
Hub 1 Plus

Hub 2
Hub 2 Plus

100% Cloud Connected

Synchronized with your system

Zones support

Retrieve and display all zones

Import all sensors automatically on 1 click

Automatic driver bindings

Configure once on AJAX = Import in Control4

Display all sensors in Locks & sensors

History display for all zones

Actions

- Arm
- Disarm
- Night Mode

Emergency functions

- Panic Mode



Hub Series Driver

Additional functions

- Virtual Keypad Support (program -ming)
- Light blink on alarm for 30 secs

UI Languages

English

French

German

Control 



FireProtect contact driver

 **Fire detection support**
FireProtect FireProtect Plus

 **Experience button**
Live contact feedback on UI button

 **Information display**

- Firmware version
- Is device Online?
- Is device being tampered?
- Battery level
- Potential issues detected on device
- Temperature on device area

 **Contacts detection**

- High temperature detection trigger
- Carbon Monoxide detection trigger*
- Smoke detection trigger*
- High temperature difference trigger

* FireProtect Plus only



 **Programming**

Up to 18 events

- Device online/offline
- Accelerometer malfunction
- Device tampered
- Battery errors
- Cabling issues
- Carbon Monoxide sensors
- Software malfunction

.... and more

Variables for device status

 **Thermostat**

- Embedded thermostat for room binding





LeakProtect contact driver



Leak detection

LeakProtect



Contacts detection

- Leak detection alarm trigger



Thermostat

- Embedded thermostat for room binding



Experience button

Live contact feedback on UI button



LeakProtect Contact Driver



Information display

- Firmware version
- Is device Online?
- Is device being tampered?
- Battery level
- Potential issues detected on device
- Temperature on device area



Programming

- Up to 18 events
- Device online/offline
- Accelerometer malfunction
- Device tampered
- Battery errors
- Cabling issues
- Carbon Monoxide sensors
- Software malfunction

.... and more

Variables for device status





GlassProtect contact driver



Glass break detection

GlassProtect MotionProtect Curtain



Contacts detection

- Glass break alarm trigger



Thermostat

- Embedded thermostat for room binding



Experience button

Live contact feedback on UI button



GlassProtect Contact Driver



Information display

- Firmware version
- Is device Online?
- Is device being tampered?
- Battery level
- Potential issues detected on device
- Temperature on device area



Programming

- Up to 18 events
- Device online/offline
 - Accelerometer malfunction
 - Device tampered
 - Battery errors
 - Cabling issues
 - Carbon Monoxide sensors
 - Software malfunction

.... and more

Variables for device status





MotionProtect contact driver



Motion detection

MotionCam Outdoor
MotionProtect Plus
DualCurtain Outdoor
MotionProtect Outdoor



Contacts detection

- Motion detection alarm trigger



Thermostat

- Embedded thermostat for room binding



Experience button

Live contact feedback on UI button



MotionProtect Contact Driver



Information display

- Firmware version
- Is device Online?
- Is device being tampered?
- Battery level
- Potential issues detected on device
- Temperature on device area



Programming

Up to 20 events

- Device online/offline
- Accelerometer malfunction
- Device tampered
- Battery errors
- Cabling issues
- Software malfunction
- Relay Opened/Closed

.... and more

Variables for device status

Control4®



Universal contact driver



Multiple detection

DoorProtect

DoorProtect Plus



Contacts detection

- Contact trigger
- Alternate contact trigger



Thermostat

- Embedded thermostat for room binding



Experience button

Live contact feedback on UI button



Universal Contact Driver



Information display

- Firmware version
- Is device Online?
- Is device being tampered?
- Battery level
- Potential issues detected on device
- Temperature on device area



Programming

- Up to 18 events
- Device online/offline
 - Accelerometer malfunction
 - Device tampered
 - Battery errors
 - Cabling issues
 - Carbon Monoxide sensors
 - Software malfunction

.... and more

Variables for device status

Control 4[®]



Relay driver



Relay Support

Socket WallSwitch Relay



Relay operations

- Relay Status Feedback
- Execute commands
 - Power ON
 - Power OFF
 - Power TOGGLE



Thermostat

- Embedded thermostat for room binding



Experience button

Live contact feedback on UI button
Execute toggle on select icon



Relay Plus Driver



Information display

- Firmware version
- Is device Online?
- Is device being tampered?
- Battery level
- Potential issues detected on device
- Temperature on device area
- Current voltage



Programming

- Up to 20 events
- Device online/offline
 - Accelerometer malfunction
 - Device tampered
 - Battery errors
 - Cabling issues
 - Software malfunction
 - Relay Opened/Closed

.... and more

Variables for device status





Relay driver



Keypad Support

Keypad Keypad Plus Keypad Combi



Experience button

Live contact feedback on UI button



Information display

- Firmware version
- Is device Online?
- Is device being tampered?
- Battery level
- Potential issues detected on device



Keypad Plus Driver



Programming

Up to 20 events

- Device online/offline
- Accelerometer malfunction
- Device tampered
- Battery errors
- Cabling issues
- Software malfunction

.... and more

Variables for device status



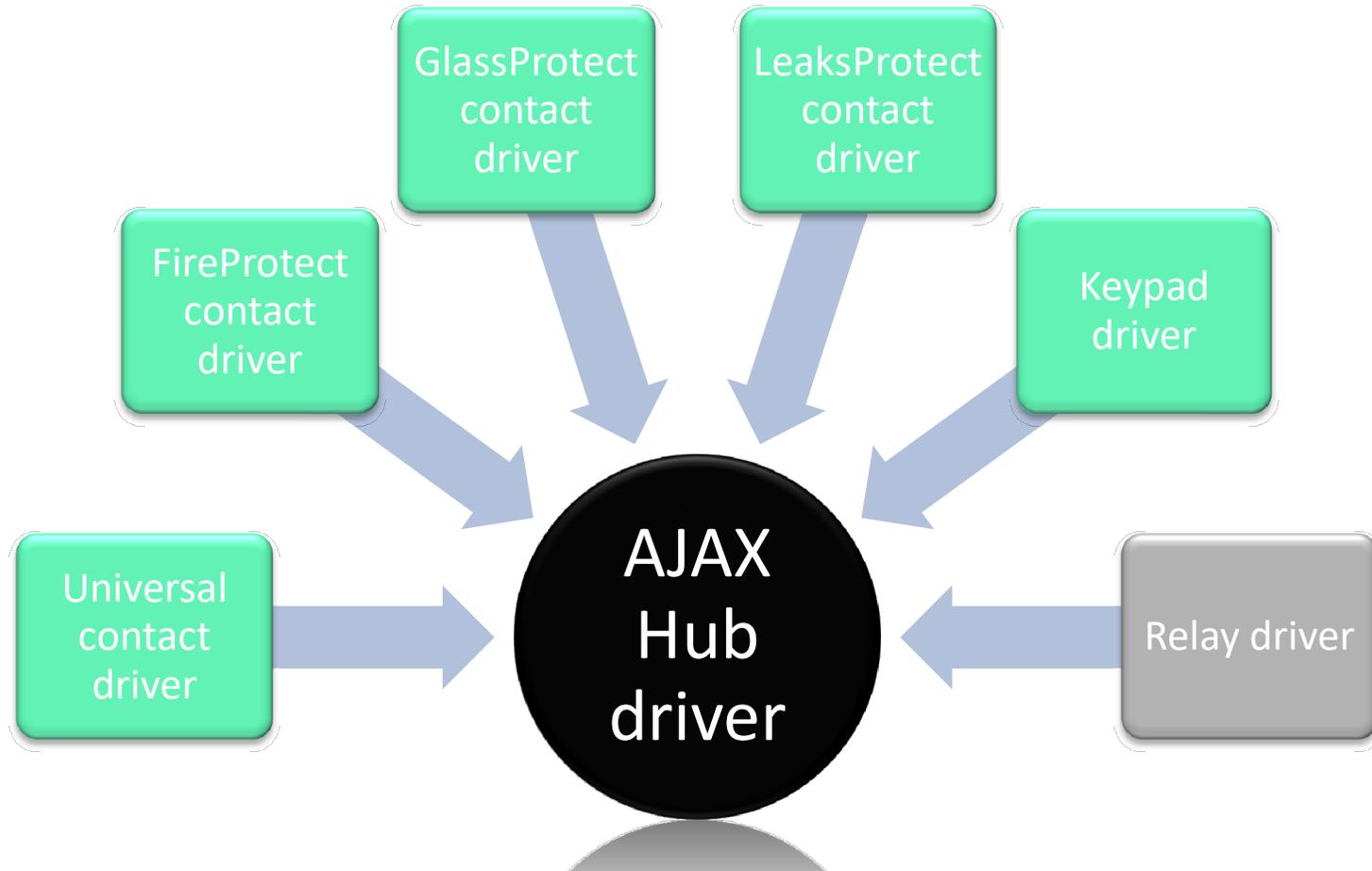
Thermostat

- Embedded thermostat for room binding

Control4



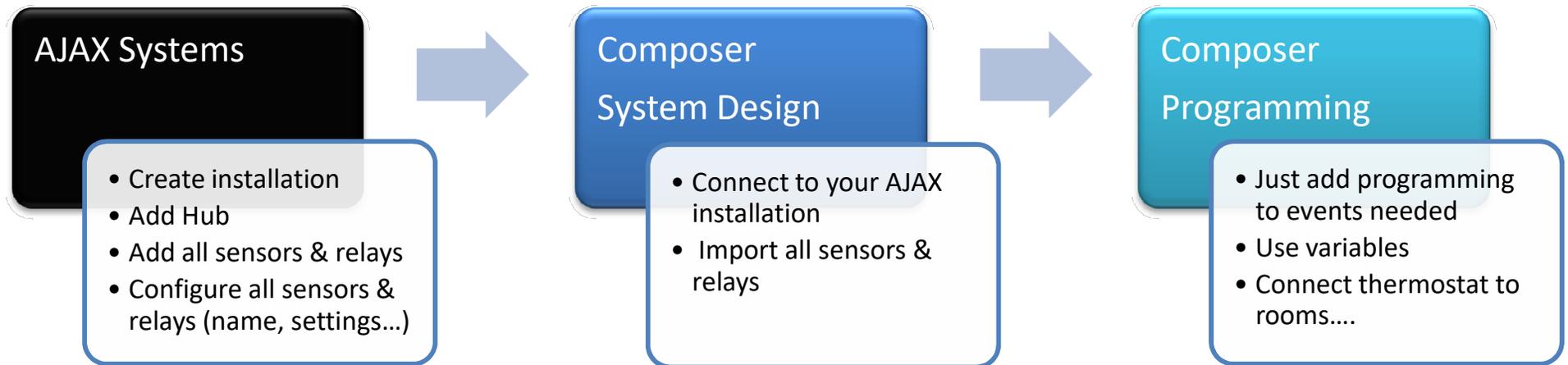
AJAX Systems Control4 driver architecture





Easy process : Automatic Zone import + drivers creation & bindings

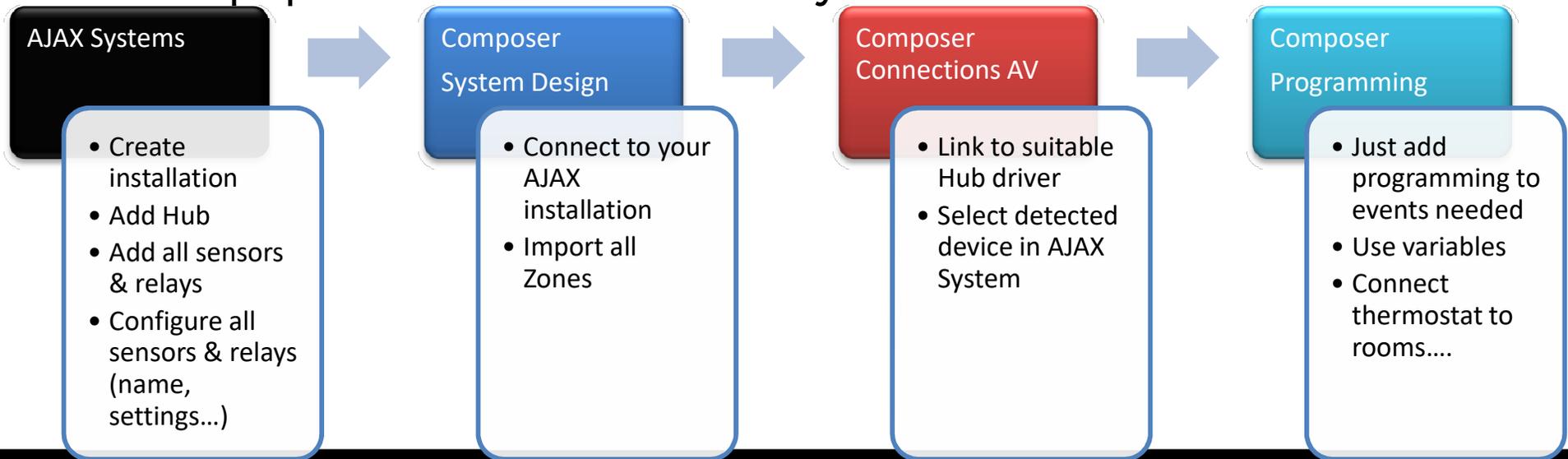
1. On your AJAX Systems configure all your device (use Desktop or mobile app)
2. Create a user account for your AJAX Systems installation
3. Add AJAX Hub Driver in Control4 installation
4. Authenticate using same credentials as step 2
5. Click import Zones, and see all drivers being added automatically!!!
6. See driver populate itself





Easy process : Manual creation of zones

1. On your AJAX Systems configure all your device (use Desktop or mobile app)
2. Create a user account for your AJAX Systems installation
3. Add AJAX Hub Driver in Control4 installation
4. Authenticate using same credentials as step 2
5. Click import Zones
6. Add Universal drivers, link to correct zone, and click Detect Zone
7. See driver populate itself automatically!





Question : How to have all drivers added automatically for the first time?

If AJAX Systems drivers have never been installed on the current Control4 director, an extra step is required :

-Create a new room and add all the following drivers, then remove the room.

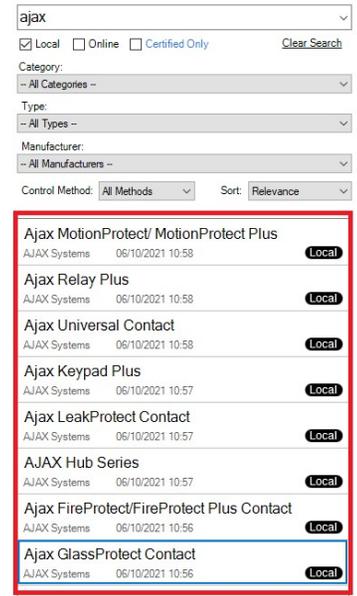


-All files will remain on Director's filesystem

-Then add only the Hub on the room you want, enter your credentials

-Import your zones....

-If Ajax drivers have been added at least once on Director this step can be ignored





Ajax Hub driver quick overview

Auto rename



The screenshot shows the Ajax Hub driver configuration interface. On the left is a tree view with a 'Room' folder containing 'AJAX Hub 2' and 'Ajax Systems Partition'. Below these are various devices: 'fireprotect', 'door contact', 'kepad', and 'motion detector with cam'. On the right is a settings panel with tabs for 'Partitions' and 'Zones'. The 'Partitions' tab shows a table with one partition: 'Ajax Systems Partition' with state 'DISARMED_READY', 'Arm Type' empty, and 'Enabled' set to 'True'. Below this is the 'Advanced Properties' section with tabs for 'Properties', 'Documentation', and 'Lua'. The 'Properties' tab is active, showing various settings: 'Debug Mode' (Off), 'Cloud Status' (License Activated), 'Automatic Updates' (Off), 'Cloud login' (ajax@ajaxsystems.com), 'Cloud password' (masked), 'Detected Hub List' (empty), 'Auto rename device' (No), 'Polling Timer (seconds)' (50), 'Partition Disarm User Code' (0000), 'Zone entry delay (seconds)' (10), 'Zone exit delay (seconds)' (10), 'Automatic Device creation (on imp)' (Yes), 'Locale display' (English), and 'Lights to flash on Alarm' (Select).

#	Partition Name	Partition State	Arm Type	Enabled
1	Ajax Systems Partition	DISARMED_READY		True

Advanced Properties

Properties Documentation Lua

Debug Mode: Off

Cloud Status: License Activated

Automatic Updates: Off

Settings

Cloud login: ajax@ajaxsystems.com

Cloud password:

Detected Hub List: [v]

Auto rename device: No

Polling Timer (seconds): 50

Partition Disarm User Code: 0000

Zone entry delay (seconds): 10

Zone exit delay (seconds): 10

Automatic Device creation (on imp): Yes

Locale display: English

Lights to flash on Alarm: [Select]

Automatic driver creation and binding on zone import



Language support



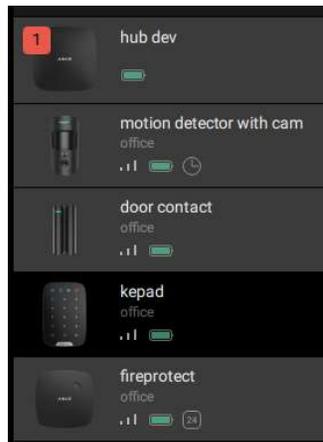


AJAX Hub driver : Zones quick overview

Zones named after devices in AJAX installation

#	Name	Type	State	Can Control
1	door contact [Zone_1]	Exterior Door	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	motion detector with cam [Zone_2]	Motion Sensor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	fireprotect [Zone_4]	Fire	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Zones import



Automatic naming and binding for all zones

Name	Type	Connection	Input/Output	Connected To
Control Outputs				
door contact [Zone_1] Sensor	Control	CONTACT_SENSOR	Output	door contact->AJAX Contact Sensor
motion detector with cam [Zone_2] Sensor	Control	CONTACT_SENSOR	Output	motion detector with cam->AJAX Contact Sensor
fireprotect [Zone_4] Sensor	Control	CONTACT_SENSOR	Output	fireprotect->AJAX Contact Sensor
AJAX_SYSTEMS_PANEL	Control	AJAX_SYSTEMS_PAN...	Output	door contact->AJAX_SYSTEMS_PANEL, motion det...
Proxy				
Security Panel	Proxy	SECURITY_PANEL	Output	AJAX Hub 2->Security Panel
Security Partition	Proxy	SECURITY	Output	Ajax Systems Partition->SECURITY



AJAX Sensors / Relays / Keypad drivers

Information collected for all devices

Informations	
Device name in AJAX Installation	kepad
Device Type	Keypad
Temperature F	71,6 F
Temperature C	22,0 C
Firmware Version	3.51.0.0
Device Status	Online
Is Device Tampered	No
Battery Level	< 100 >

Fahrenheit Celsius

Use Remote Temperature Sensor

Buttons: Locked Unlocked

Thermostat available for all devices

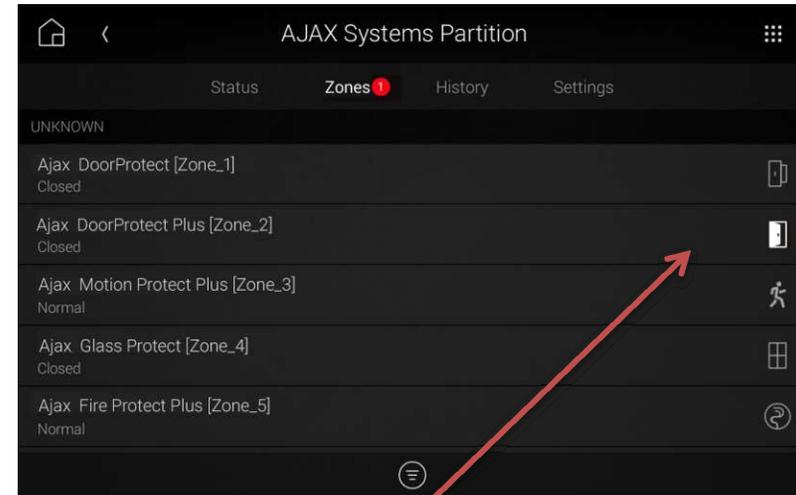
Binding possible with a room to have temperatures



AJAX Systems – User Interfaces



Arm/ disarm Partition



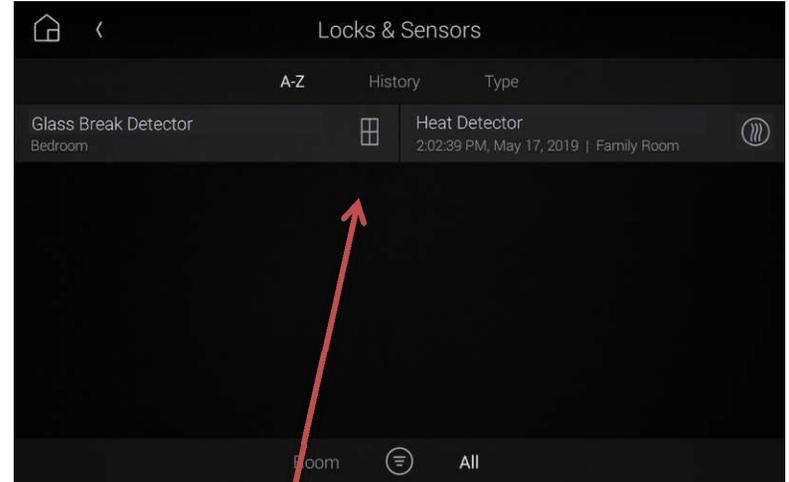
Get zone feedback



AJAX Systems – User Interfaces



Zones also displayed here



Zones type displayed, last alert date time view



How to reach us



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