



How to add an intruder alarm to Paxton10

Overview

With Paxton10, it is easy to control and monitor the state of intruder alarms. A dedicated Paxton10 alarm connector can be installed and neatly fitted into the Paxton10 connector housing, or into the housing of your intruder alarm.

Connecting an intruder alarm to a Paxton10 system allows you to monitor and restrict who can arm and disarm the alarm. Your system will always know the state the alarm is in, making it possible to restrict access to your building when the alarm is armed, or to create custom rules which turn your lights off, close the windows or shut down equipment, saving energy while your building is unoccupied.

Creating the intruder alarm device

Intruder alarms can be managed within the Devices section in Paxton10.

There are 2 methods for creating an intruder alarm in Paxton10:

Method 1 – Drag and drop

Before proceeding, ensure the Paxton10 hardware you're using to interface with the Intruder alarm is connected to the network.

While in the 'Devices' section:

- 1. In the software, on the right-hand side of the screen, locate the hardware which is to interface with the intruder alarm (this could be a number of Inputs and Outputs from an I/O connector, or an 'Alarm' component of an Alarm connector)
- 2. Click and drag the mappable component (Input, Output, or Alarm) onto an empty space on the left-hand side
- 3. Select 'Intruder alarm' as the Device type, and enter a name for it
- 4. Select what the mapped peripheral(s) are connected to on the intruder alarm, and what state the inputs will be in when the alarm is armed and when the alarm is active (sounding)
- 5. Click 'Create' to finish creating the device
- 6. Click and drag any additional components (Inputs or Outputs) from the right-hand side onto the newly created intruder alarm device to add all of the components necessary

Paxton 10 Search Q	? *	🗞 📘 Dermot Crowley 🗸 🦱
Vew favorites Control device View svents View video	Delete Change mage Change mage Patte Patte	
	NEW DEVICE X	Serial number Q 2
PUNK PLANADADES IMulti-subnet IMu	Device name Verw drukce rewice type	Paxton10 Door Controller 6690799 00 Door +
	Intruder Jee	Alarm 4+
PEOPLE	Required configuration Input 1 Alarm input *	New Site
RULES	Input 2 Alarm input * Alarm armed when Alarm set input is open *	
OEVICES	Alarm active when Alarm input is open • Further configuration can be found in the device area creates Create Create Create	
		Controllers PaxLock Entry Cameras Z-Wave device BACnet

Method 2 – Add a device

While in the '**Devices**' section:

1. Click 'Add a device'

Paxto	n <mark>10</mark>	arch	٩						?	🔖 🛛 👤 Dermot Crowley 🗸 🗍	^
View favourites	Control device View ev	ents View deo	Add new Add n	Edit group Rename gro	up Delete Change image	み Cut 数 強 Copy Select M 値 Paste Na					
номе	Devices									Serial number	23
					1					New Site	
	Area general	Cocina	Laboratorio	Oficina Barrera ADD NEW	a de				×		
				Dashboard	Event report	Video report	Site plan	Person			
				Q	Q	F	Ľą (
RULES				Time profile	Software permission	Building permission	Custom rule	Device			
							e	Add a device Add a new device to the system. There are many device types, an cample is Door.	*		
										Controllers PaxLock En Cameras Z-Wave device BAC	try Inet

2. Select 'Alarm', and then click on 'Intruder Alarm'

Paxton 10 Search 9	? 🍇 🛓 Dermot Crowley ~ 🗠
Image: Security Security Image: Security Security Image: Sec	
Deves	Serial number Q 3
	New Site
Area general Coorna Laboratorio Access point Access point Monto corrol vine gas Monto co	
Fire Alarm Intruder Alarm	
RULE	
Becker reading vehiculation and are conditioning system.	
	Controllers PaxLock Entry Cameras Z-Wave device BACnet

- 1. Give the intruder alarm a name, and configure it as required
- 2. Click 'Save'

To map the intruder alarm hardware to the Paxton10 intruder alarm device, return to the 'Devices' screen and locate the hardware on the right-hand side, then drag its components (Input, Output, or Alarm) onto your newly created intruder alarm device.

Connecting the intruder alarm to the alarm interface

Paxton10 interfaces with an intruder alarm using just 3 connections:

- 1. To monitor when the alarm is active
- 2. To monitor when the alarm is armed
- 3. For Paxton10 to arm the alarm



Mapping a reader to the intruder alarm

It is possible to assign a dedicated reader to arm the intruder alarm.

While in the '**Devices**' section:

- 1. Select 'Manage hardware' from the ribbon
- 2. Locate the Paxton10 controller which has the reader connected to it, select the 'Door' component beneath it, then click 'View'



3. Click 'Select' next to the Reader port that your intruder alarm reader is connected to



4. Locate the intruder alarm in your list of devices, and then click 'OK'

5. The reader will now be mapped to your intruder alarm, and will appear in the '**Installation**' tab of the intruder alarm device

Presenting a valid credential to a reader that is mapped to the intruder alarm will trigger Paxton10 to arm the intruder alarm. The reader LED will display 'Amber' while the alarm is being armed, and will change to 'Red' when the alarm is successfully armed. The LED will return to 'White' after 30 seconds.

Defining mappable component functionality

What each mappable component is connected to needs to be defined.

Select the 'Installation' tab and configure each Input and Output to the relevant alarm function:

- 1. In the dropdown next to the Input that monitors the alarm state, select 'Alarm input'
- 2. In the dropdown next to the Input that monitors if the alarm is armed, select 'Alarm set status'
- 3. In the dropdown next to the Output that alters the alarm state, select 'Set / Unset'
- 4. In the dropdown next to any readers you have connected to arm the alarm from, select 'Arm'

Paxton 10 Search Q	? 🍇 上 Dermot Crowley 🗸 🔨
Vew favourites Vew video Add new Delete Canzge image Control device Manage hardware	
Devices 3 Multi-site devices (right board) Intruder alarm in cabinet-right board HONE Intruder alarm in cabinet-right board * Intruder Alarm	
L Z J DASHBOARDS Configuration Permissions Group membership Installation	Change Image
Reports Reader (6601188) Reports Reader Arm •	
STEPANS	View device
Alarm connector (3747883) input 1 input 2 input 2 input 2 input 4 input 4 inp	
	View device

Configuring the intruder alarm

Configure how the intruder alarm operates, the doors that should restrict access when alarmed, where the alarm can be disarmed and whether it is in view of any cameras.

In the Configuration tab, there are 5 sections:

<u>Alarm</u>

- 1. Select if the 'Alarm set input' is open or closed when the alarm is armed
- 2. Select if the 'Alarm input' is open or closed when the alarm is active
- 3. Define the pulse duration required for Paxton10 to arm the alarm (1 second by default)

Paxto	on 10 Search Q ?	🔹 🔔 Dermot Crowley 🗸 🧄 🧄
View favourite	es Vew events Vew video Add new Delete Change image Control device Manage Nardware	
HOME HOME Dashboards	Devices 3 Multi-size devices (right-board) Intruder alarm in catinet- right-board Intruder alarm in cabinet- right-board * Intruder Alarm Gose Configuration Permissions Group membership Installation	Charge Image
	Alarm - Configure how the alarm is installed. Alarm armed when Alarm set input is closed Alarm and when Alarm input is closed I Puise duration to change alarm status 1	
	Doors - Doors unable to be opened while alarm is set. Readers - Configure reader and authentication options for this device. Disarm - Doors where the instruder alarm can be unset.	
RULES	Cameros - Cameros that have view of this device.	

<u>Doors</u>

These are the access points that will deny access while the alarm is armed, restricting access to the area that the alarm covers.

Click 'Select' to edit this list

Paxto	n 10 search a	? 🍇 上 Dermot Crowley ~
View favourites	Image: New video Add new Delete Control device Manage hardware	
	Devices > 3 Multi-site devices (right board) > Intruder alarm in cabinet - right board	
номе	Intruder alarm in cabinet - right board Intruder Alarm Save Close	$\int $
dashboards	Configuration Permissions Group membership Installation	Change image
	O Alarm - Cangure Romene alarm is installed.	
	Doors Doors Doors	
PEOPLE	Conception of the second secon	
	Disarm - Doors where the intruder alarm can be unset.	
RULES	O Cameras - Cameras that have view of this device.	
DEVICES		

Readers

If using a reader to arm the intruder alarm, configure how the reader should operate.

- 'Sound on' When selected, the reader will provide audible feedback for valid and invalid access
- (LED on' When selected, the reader will show a white light at all times to help people locate the reader in low light conditions
- Configure authentication options to set the type of credential the user must provide (Token, PIN, Code), the read range of Bluetooth credentials, and whether Smart credentials (smartphones and tablets) require additional PIN or biometric verification

Paxtor	10 Search Q	? 🍇 上 Dermot Crowley ~ 🗠
View favourites	Wew events Vew video Add new Delete Change image Costor divide Manage hardware	
АН НОМЕ	Derices 3 3 Multi-site derices (right board) > Intrusfer alarm in cabinet - right board	~
DASHBOARDS	Configuration permissions Group membership Installation	Change Image
	Alarm - Configure how the alarm is installed. Does - Does unable to be assessed while alarm is set.	g,
	Contract of the second se	
PEOPLE	Sound on Z LED on Z	
	Time Dericiny • Bluetodh mode Touch to enter • Verification	
RULES	uuring Select Reader Token only Token mode Token mode	0
DEVICES	O Disarm - Doors where the intruder alarm can be unset.	
	O Cameras - Cameras that have view of this device.	

<u>Disarm</u>

.

These are the access points that the alarm can be disarmed at. Presenting a token that has permissions to disarm the alarm at any reader connected to these access points will attempt to disarm the alarm.

Click '**Select**' to edit this list

Paxto	n 10 Search Q	? 🍇 上 Dermot Crowley ~ 🛛 🔨
View favourites	Image: New video Add new Defete Control device Manage Nardware Nardware Add new Defete Control device Manage Nardware	
HOME	Devices 3 Multi-size devices (right board) keouder alarm in cabinet - right board Intruder alarm in cabinet - right board * Intruder Alarm Seve Clese Configuration Generations Forum membership Instruder alarm Seve Clese	
	Alarm - Configure how the alarm is installed. Doors - Doors unable to be opened while alarm is set.	Спалдетнаде
	Image: Standard S	
PEOPLE RULES	Disarm & SIRCT The Concessor Control and Concessor Disarm Annual Concessor Annual Concessor Annual Concessor Concess	
DEVICES		

Cameras

These are the cameras that are associated with the alarm. Associating cameras with intruder alarms provide events with video footage.

Click'Select' to edit this list

Ver	Paxto	110 Search Q	? 🎄 上 Dermot Crowley 🗸 🔨
Vers 3 Multistie decises (trigte board) Version Versi	View favourites	Image: Second	
Image: Service Serv	HOME HOME	Devices 3 Multi-state devices (right board) > Incruder alarm in cabinet - right board Incruder alarm in cabinet - right board * Intruder Alarm Seve Configuration Permissions Group membership	Charge Image
ORVICES	PEPORTS SITE PLANS PEOPLE RULES DEVICES	③ Alarm-Configure how the alarm is installed. ③ Doors-Doors unable to be opened while alarm is set. ③ Reders - Configure reader and authentication options for this device. ③ Diarm-Doors enter the runder alarm can be unset. ③ Diarm-Doors state the view of this device. ③ Configure reader alarm can be unset. ④ Configure reader and authentication options for this device. ④ Diarm-Doors enter the runder alarm can be unset. ● Configure reader and authentication options for this device. Configure reader and authentication options for this device. ● Configure reader and authentication options for this device. ● Configure reader and authentication options for this device. Configure readereader and authentis device. Co	

Click 'Save' – You have now successfully created and configured the intruder alarm in the Paxton10 software. The alarm is now operational.

See AN0021-AE - How to create a Trigger and Action rule <<u>paxton.info/6122</u>> to learn how you could use the intruder alarm in custom rules to perform automated tasks when the alarm is armed, disarmed or activated, or for additional ways to arm and disarm the alarm.

Frequently Asked Questions

How do I arm and disarm the Intruder alarm?

Intruder alarms follow the same permission structure as other devices in Paxton10. Add the intruder alarm to a Building permission to determine which people are allowed to arm and disarm the alarm.

When an authorised user presents their token to a reader mapped to the device, the alarm will attempt to arm. On successfully arming the alarm, the LED on the reader will illuminate Red for 30 seconds.

To disarm the alarm, simply present an authorised token at any of the disarm access points. The alarm will disarm and the reader will illuminate Green. The access point will return to its usual operation.

I don't have a spare reader port, how can I arm the alarm?

In the case that all reader ports on your door controllers are being used, or you simply want an alternative method of arming your alarm, this can be achieved as a Triggers and Actions rule. See AN0021-AE - How to create a Trigger and Action rule <<u>paxton.info/6122</u>>

Can users still access the building while the alarm is armed?

With Paxton10, it is possible to restrict access to the entire, or parts of, the building. Add access points that allow access to the building or area to the Disarm list of the intruder alarm. While the alarm is armed, unauthorised users are refused entry, doors will not unlock on time profiles and doors will not be actionable via the software.

Once an authorised user presents their token to one of these access points, the alarm will disarm, and doors will resume their usual operation.

Can I have multiple intruder alarms?

Yes, there is no restriction to the number of intruder alarms you can have in Paxton10. Simply create multiple intruder alarm devices, following the steps above. Intruder alarms can share disarm access points, however they must each have their own arm reader.