Paxton Lighting Control Using Triggers and Actions User Guide

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Paxton Lighting Control Using Triggers and Actions

Product Information

- **Product Name:** Net2 I/O board
- **Model Number:** APN-1079-AE

Product Usage Instructions

Installing the Hardware

The relay output of the I/O board should be wired in series with the light switch to allow the I/O board to override the switch and control the lights.

Setting up Triggers and Actions

1. **Create Rules for Turning Building Lights Off:**
    1. Select ‘Triggers and Actions’ from the tree view and click ‘Add’.
    2. Select ‘When the intruder alarm is armed’ and proceed to select the relevant settings.
    3. Choose the relay on the I/O board linked to the lighting circuit and select ‘Turn off’.
    4. Follow any additional screens for Email, SMS, or Sounds options if needed.
    5. Give the rule a descriptive name and save.
2. **Create Rules for Turning Building Lights On:**
    1. Select ‘Triggers and Actions’ from the tree view and click ‘Add’.

2. Select ‘When the intruder alarm is disarmed’ and proceed to select the relevant settings.
3. Select ‘No delay’ and choose the relay on the I/O board linked to the lighting circuit and select ‘Turn on’.
4. Give the rule a descriptive name and save.

FAQ

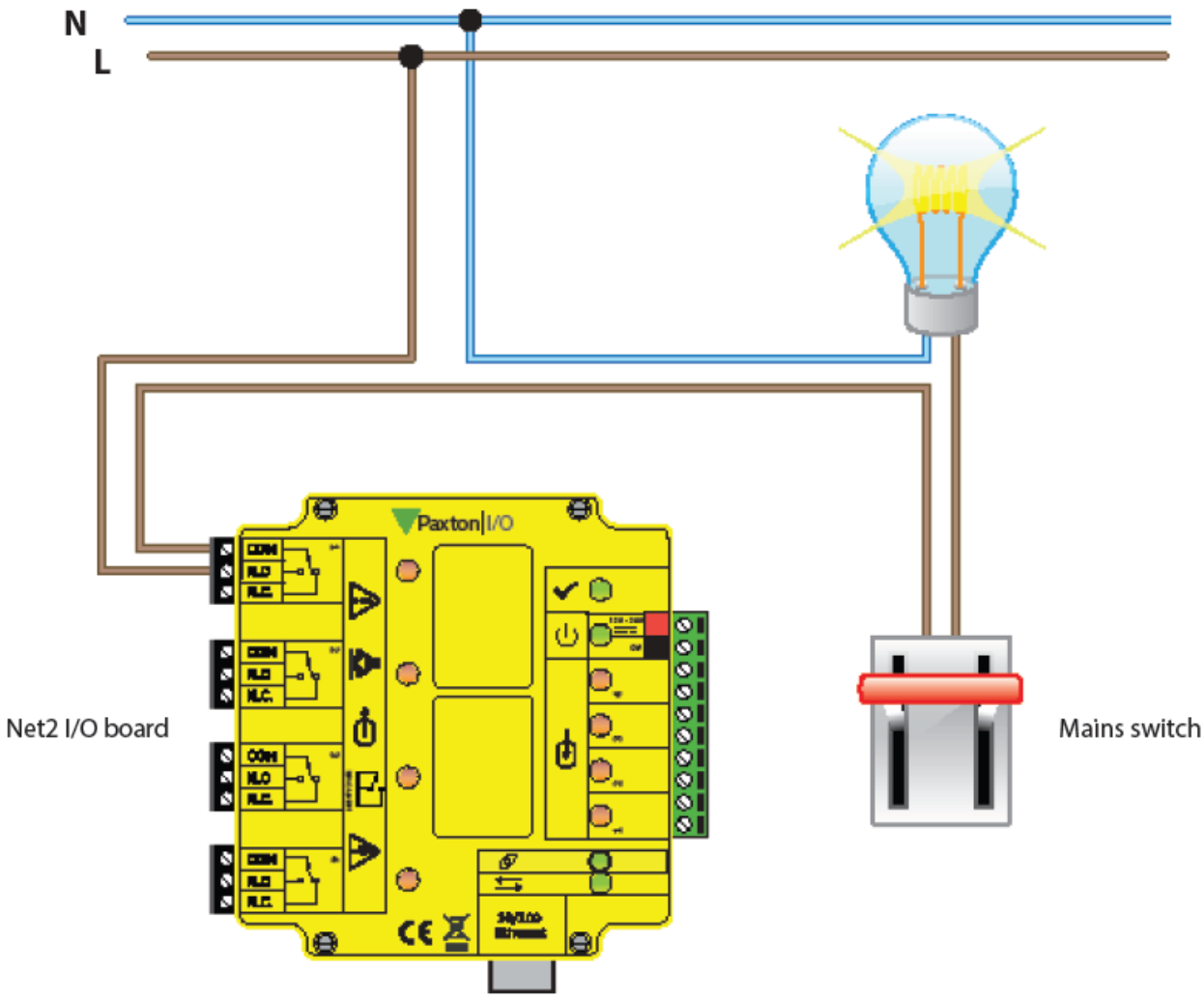
- **Q: What is the purpose of Triggers and Actions in Net2?**
  A: Triggers and Actions allow user-defined rules to control specific actions based on defined events, providing automation for various scenarios.
- **Q: Why is it important for the Net2 server to be running at all times for Triggers and Actions?**
  A: The Net2 server must be running to ensure the proper functioning of Triggers and Actions as it manages the communication and execution of rules.

Important
For Triggers and Actions to function correctly, the Net2 server must be running at all times.

Installing the hardware

The relay output of the I/O board is wired in series with the light switch allowing the I/O board to override the switch and turn the lights off.

- Net2 Triggers and Actions can control the I/O board based on other Net2 actions. In this case, we will use Setting/Unsetting the Intruder alarm as the trigger but any event (e.g. a Manager card presented to a specific reader) could also be used.
- The I/O board needs to be configured before triggers and actions are set up. To see instructions for setting up the I/O board refer to: AN1066 – Installing an I/O board. < **http://paxton.info/506** >



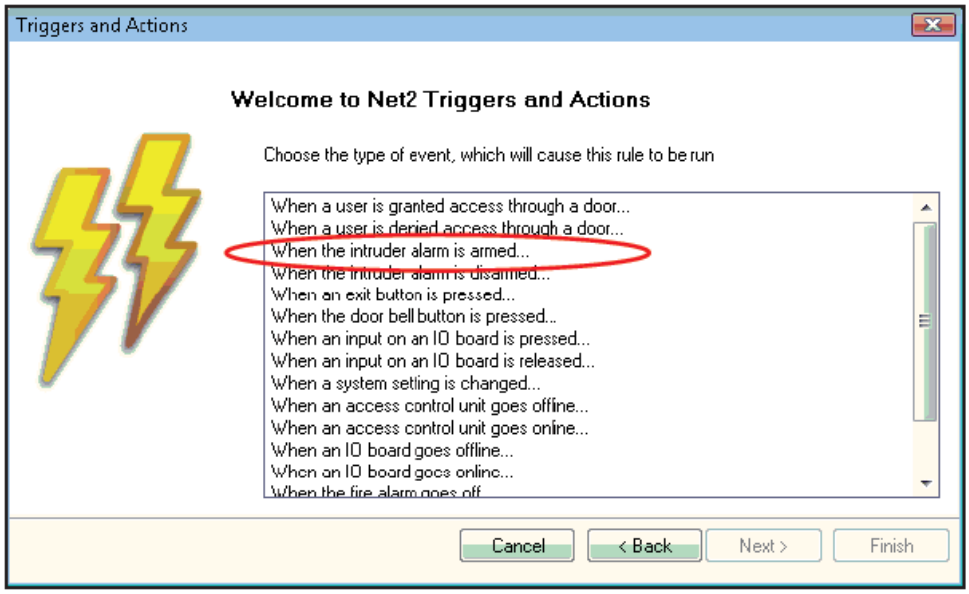
The Triggers and Actions feature is based on user-defined rules. When an event occurs (Trigger) that is defined in a rule, a specific action is performed.

Setting up rules for Triggers and Actions

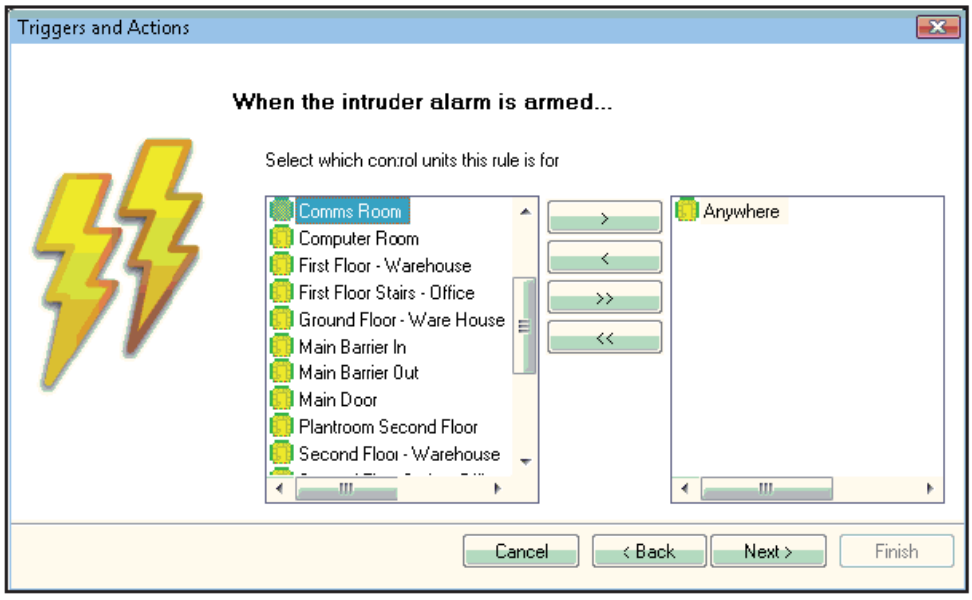
In the following screens, we will create rules to turn the building lights On and Off depending on the setting of the intruder alarm.

Turn building lights Off

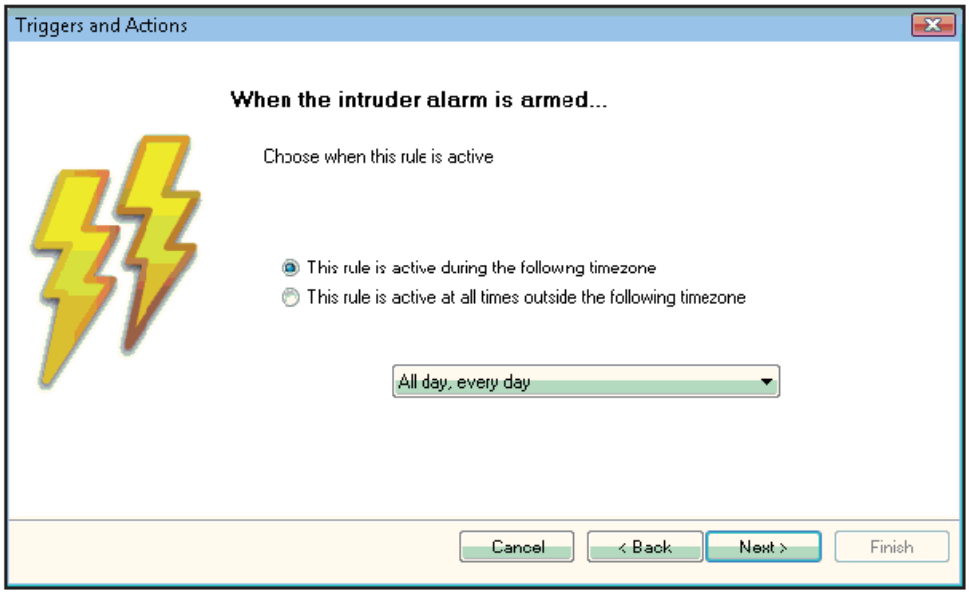
1. Select Triggers and Actions from the tree view. Click ‘Add’ – The title page displays – Click ‘Next’.
2. Select ‘When the intruder alarm is armed’.
3. Click ‘Next’.



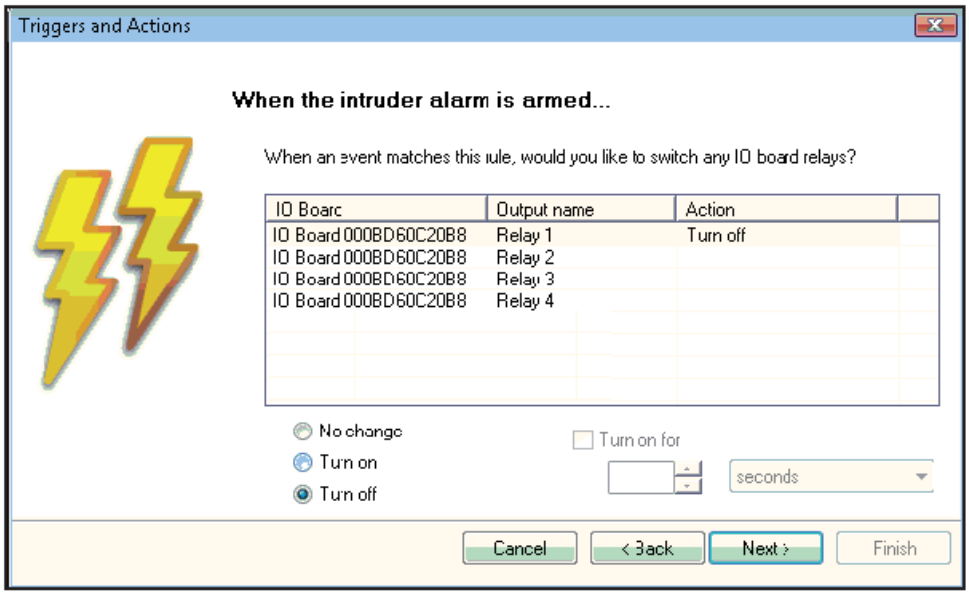
1. Select which ACU has intruder alarm integration. This can be set to ‘Anywhere’, or select the specific ACUs in that area.
2. Click ‘Next’.



1. Select the relevant timezone from the menu.
2. Our example shows ‘All day, everyday’ as the selected timezone.
3. Click ‘Next’.

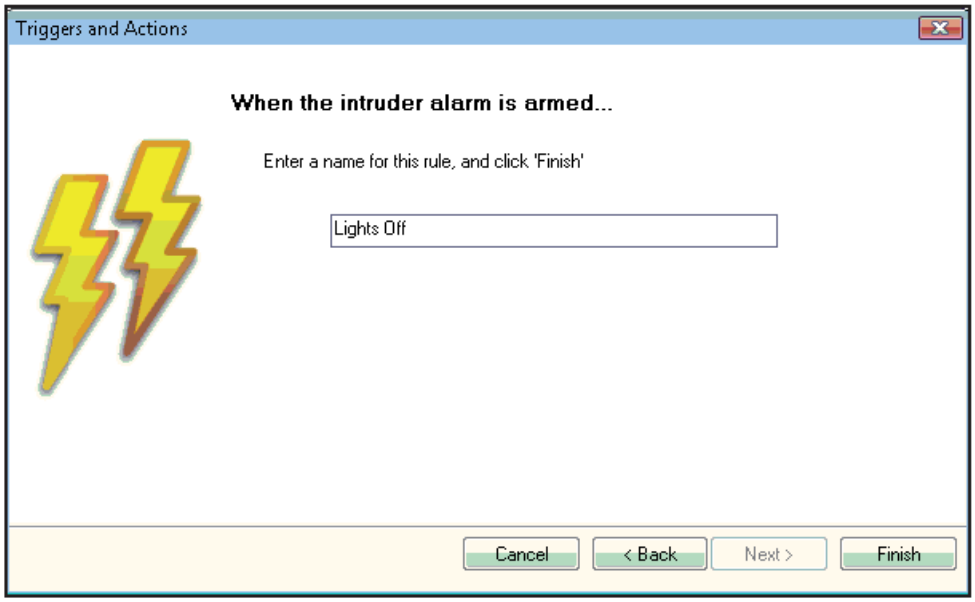


1. Select the relay on the I/O board linked to the lighting circuit.
2. Select ‘Turn off’.
3. Click ‘Next’.



The next three screens (not shown) give options for Email, SMS, and Sounds to play on your PC when the event occurs. Click ‘Next’ to skip through these screens as required.

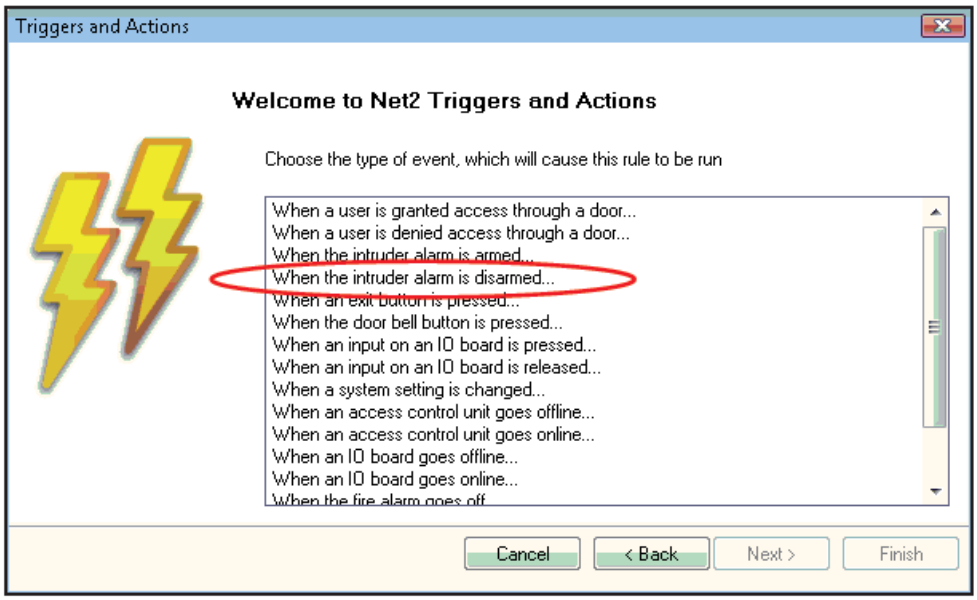
1. Give the rule a descriptive name and click ‘Finish’ to save.



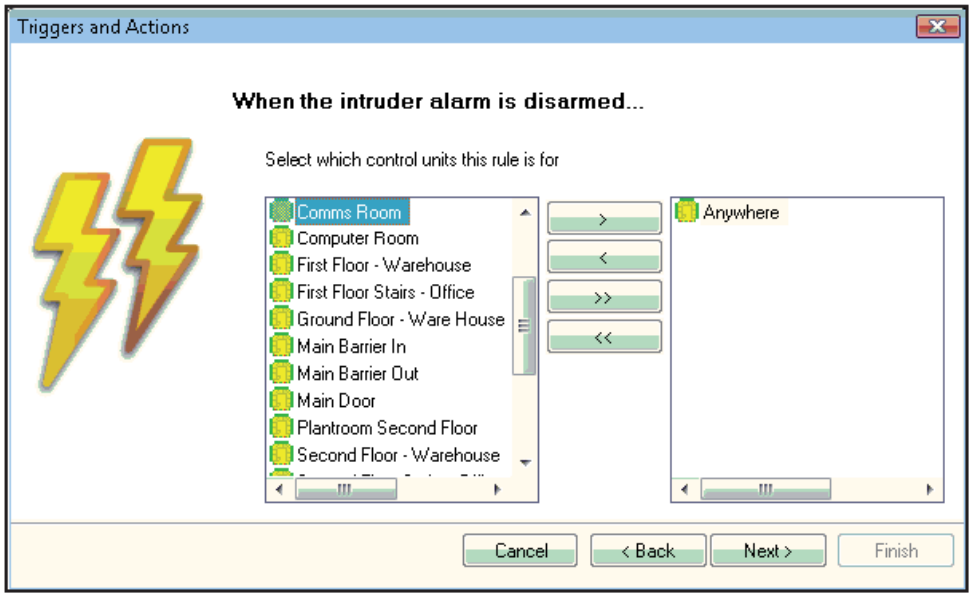
To restore the power to the building light circuit (allow control by local light switches during the day) another rule needs to be set up.

Turn building lights On

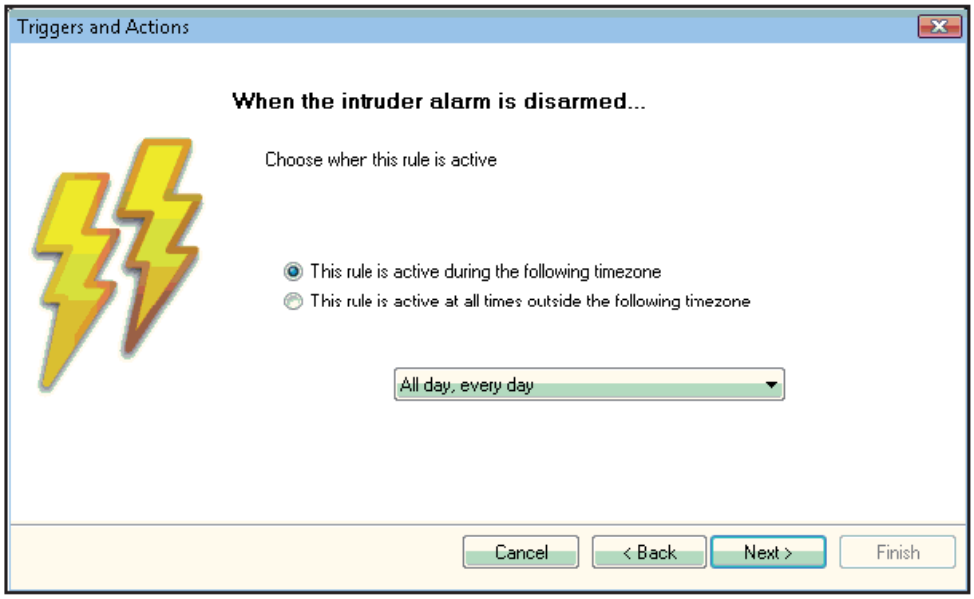
1. Select Triggers and Actions from the tree view. Click ‘Add’ – The title page displays – Click ‘Next’.
2. Select ‘When the intruder alarm is disarmed’.
3. Click ‘Next’.



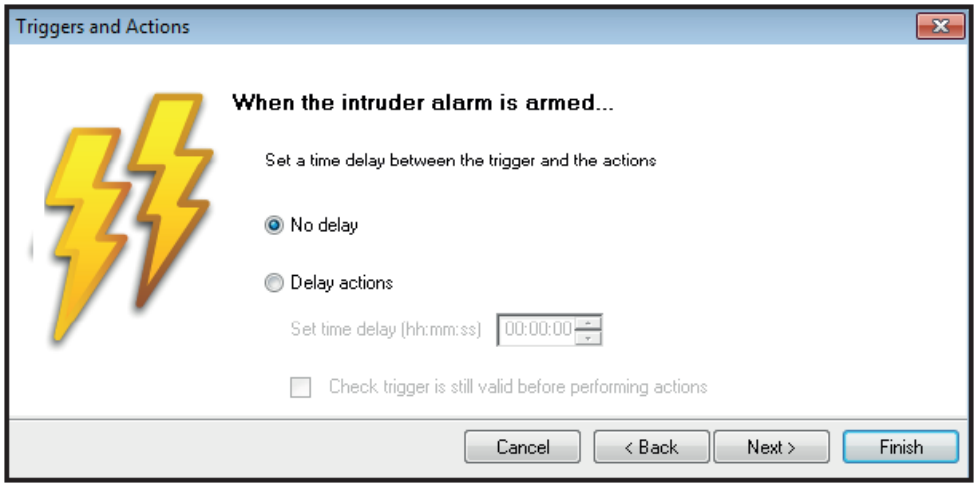
1. Select which ACU has intruder alarm integration. This can be set to ‘Anywhere’, or select the specific ACUs in that area.
2. Click ‘Next’.



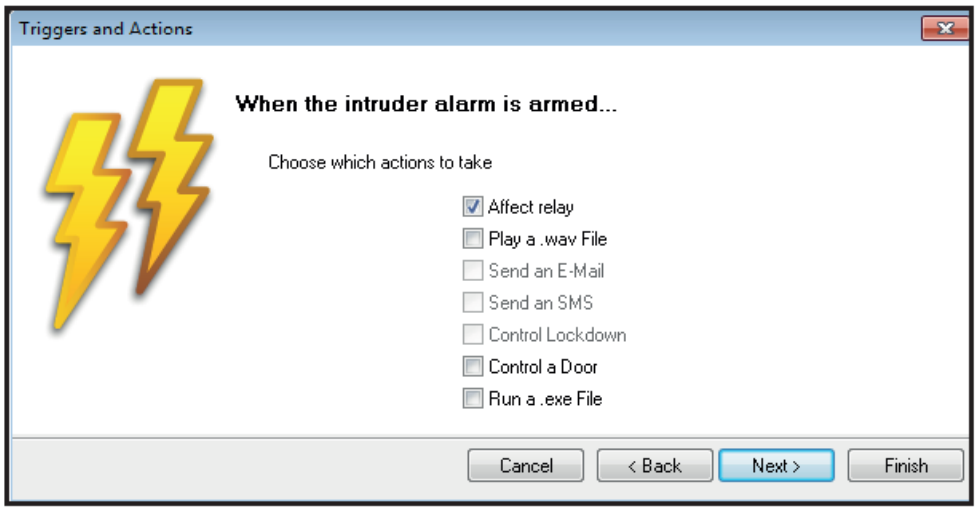
1. Select the relevant timezone from the menu.
2. Our example shows ‘All day, everyday’ as the selected timezone.
3. Click ‘Next’.



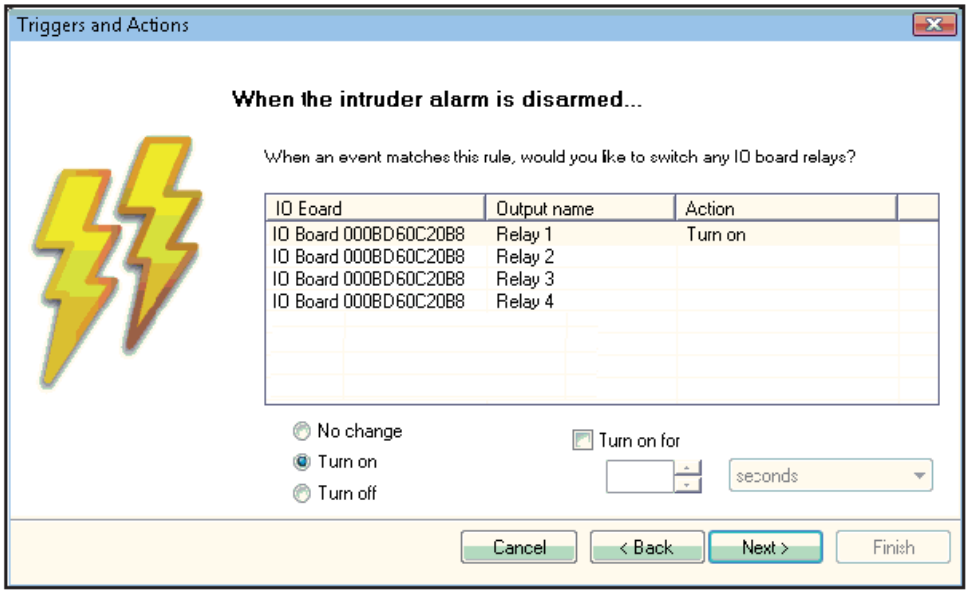
Select ‘No delay’



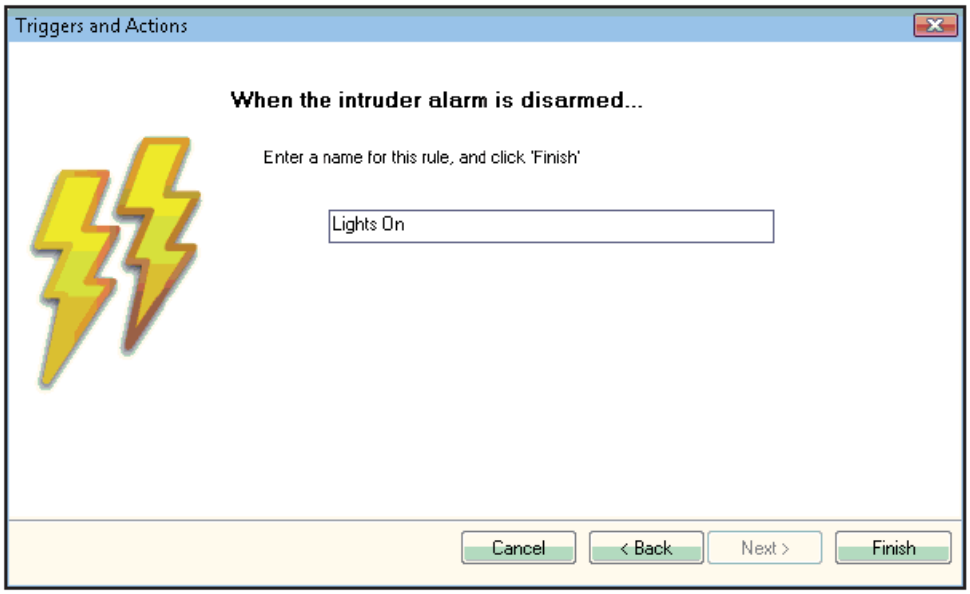
Select ‘Affect relay’



1. Select the relay on the I/O board linked to the lighting circuit.
2. Select ‘Turn on’.
3. Click ‘Next’.



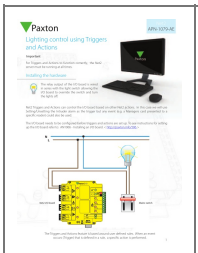
Give the rule a descriptive name and click ‘Finish’ to save.



We have now produced two rules that will control the Building lighting depending on the setting or unsetting of the Intruder Alarm.

- Setting the Intruder alarm = Building Lights OFF
- Unsetting the Intruder alarm = Building Lights ON

Documents / Resources

	Paxton Lighting Control Using Triggers and Actions [pdf] User Guide APN-1079-AE, AN1066, Lighting Control Using Triggers and Actions, Control Using Triggers and Actions, Using Triggers and Actions, Triggers and Actions, Actions

References

- User Manual