

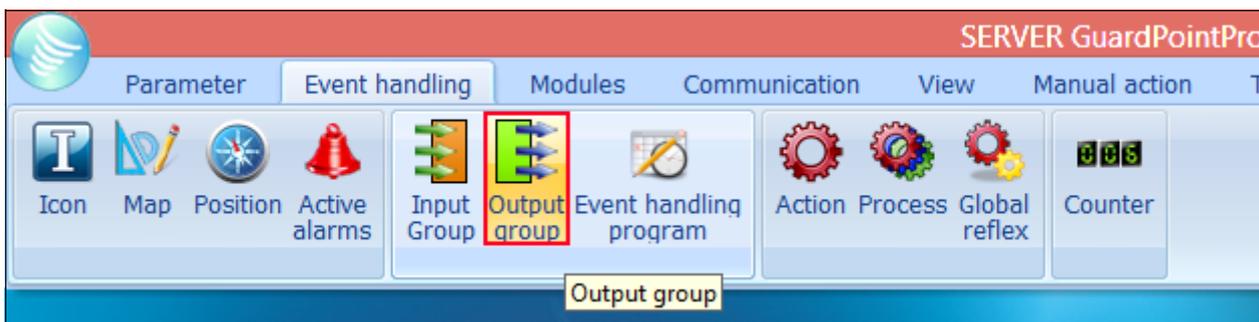
How To Trigger a Relay Group From an Input

In GuardPointPro it is possible to fire a group of relays across multiple controllers from a signal to a single input

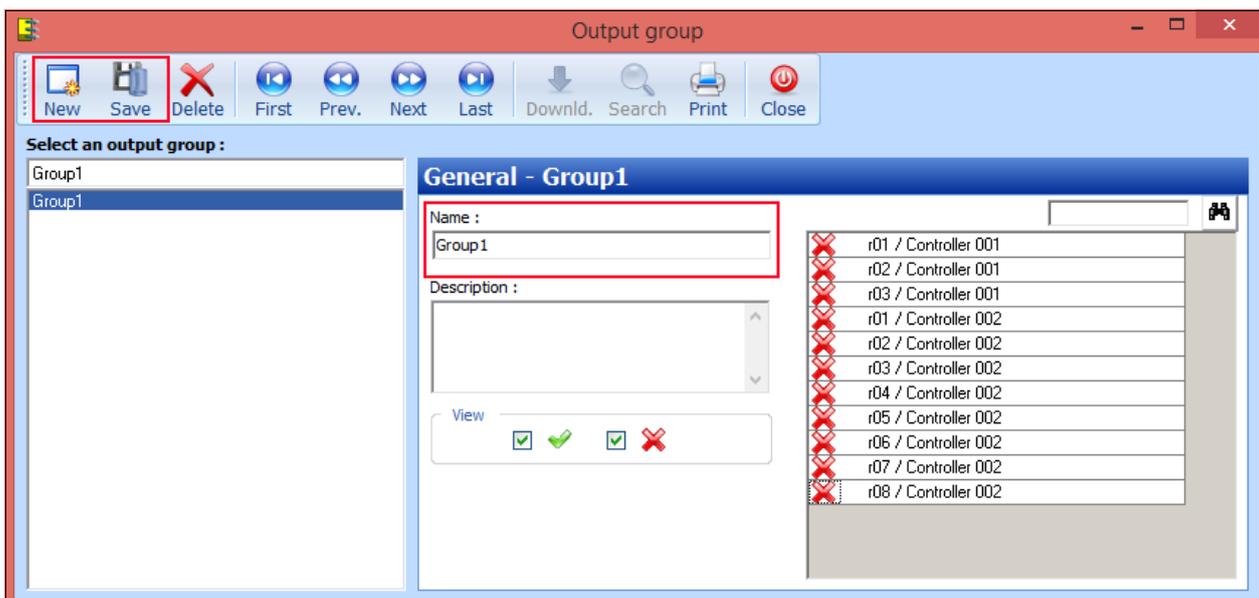
This guide explains the steps:

Grouping the outputs [Relays]

1. Go to the menu Event Handling > Output Group



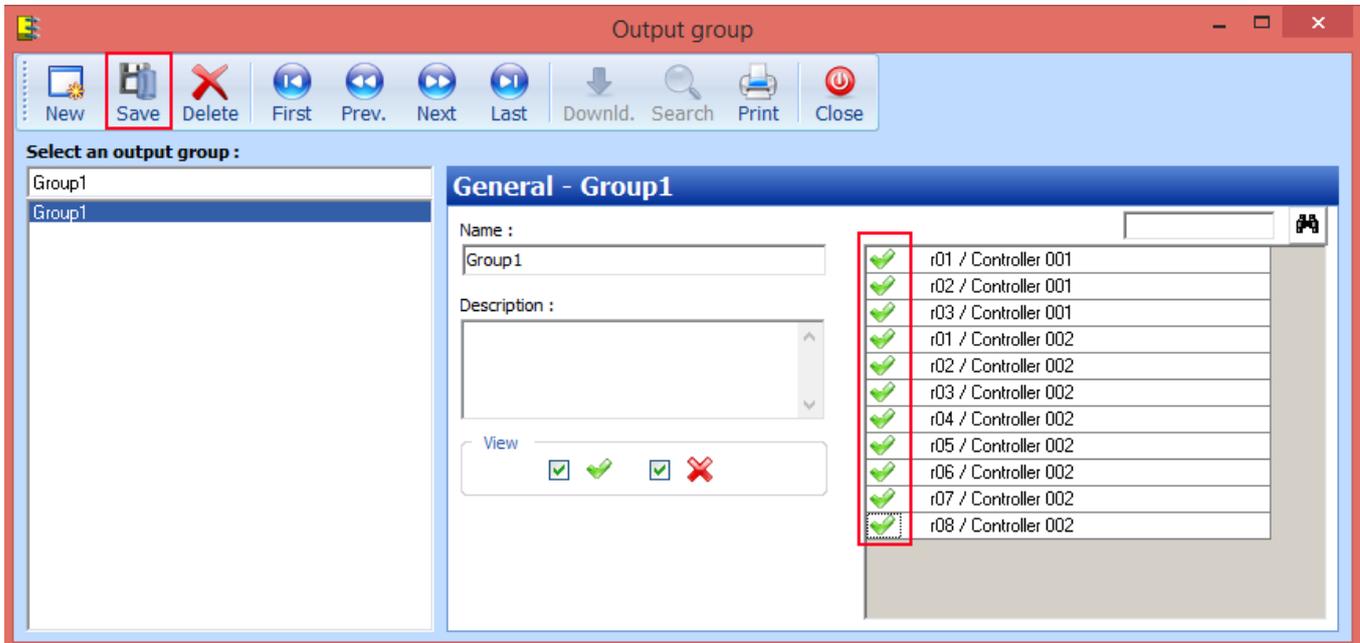
2. At the Output Group Screen Click New and give the new output group a name, then save



3. Above in the right hand side of the window you can see all the relays for 2 controllers in my system with a red X.

How To Trigger a Relay Group From an Input

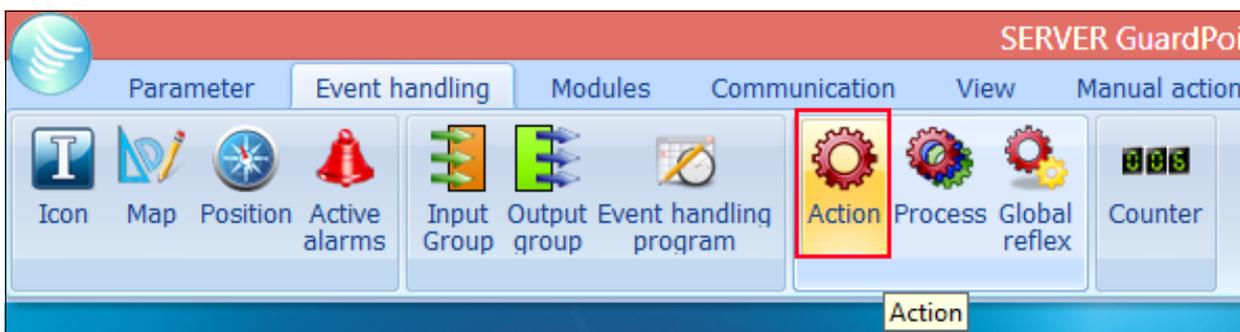
Click each relays red X you want to include in the group, their red X will become a green tick [see below]



Once done click Save. This concludes the grouping

Using ACM to effect the relay state

1. Go to the menu Event Handling > Action



1. At the Action screen click New, Name the new Action

For Action Type select Relay Group Action

For Output Group select the group you made above [in my case i called it Group1, so i select Group1]

For Relay Actions you have 4 choices:

Return to Automatic Mode - This will turn the relays back to normal operating mode

Activated during - This will fire the outputs for an amount of time in seconds

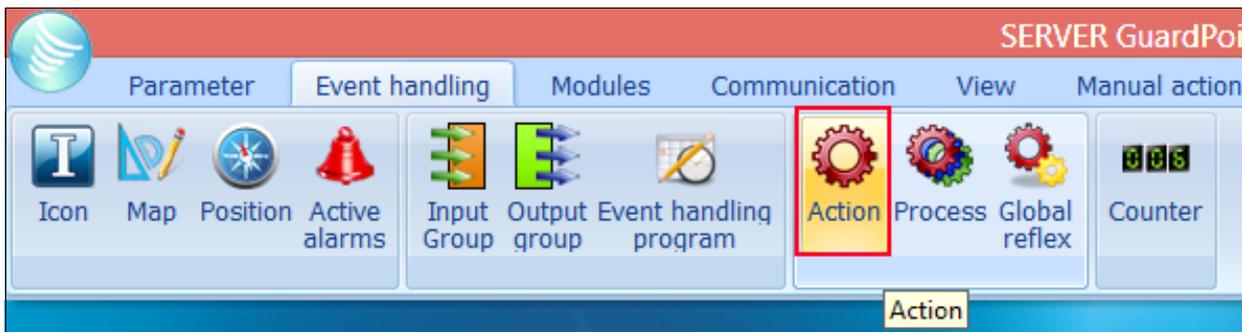
Always Activated - CONSTANT ON - This will open the relays constantly

Never Activated - CONSTANT OFF - This will turn off the relays constantly

How To Trigger a Relay Group From an Input

Using ACM to effect the relay state

1. Go to the menu Event Handling > Action



1. At the Action screen click New, Name the new Action

For Action Type select Relay Group Action

For Output Group select the group you made above [in my case i called it Group1, so i select Group1]

For Relay Actions you have 4 choices:

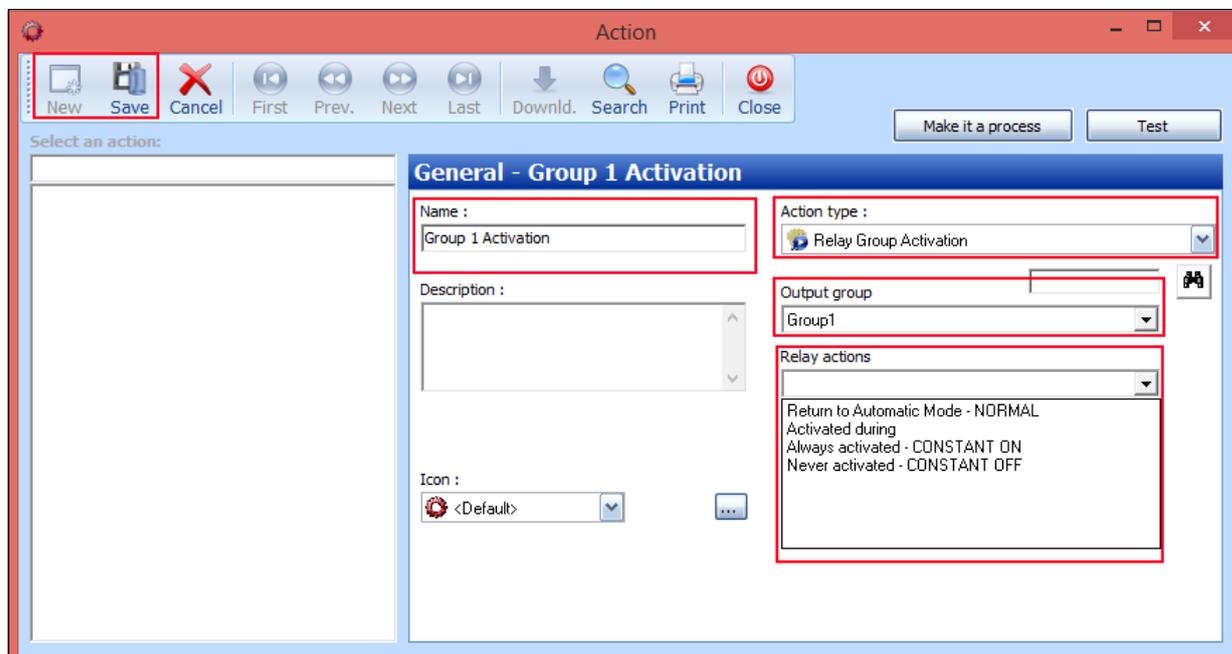
Return to Automatic Mode - This will turn the relays back to normal operating mode

Activated during - This will fire the outputs for an amount of time in seconds

Always Activated - CONSTANT ON - This will open the relays constantly

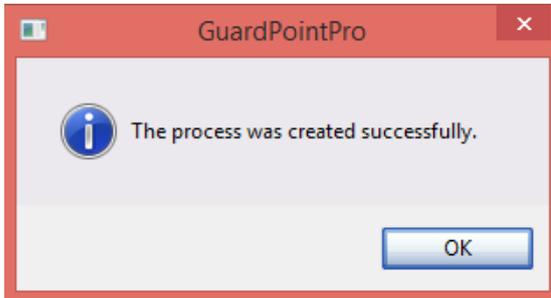
Never Activated - CONSTANT OFF - This will turn off the relays constantly

In my example i want the relays to open constantly once i receive a signal from an input so i select Always Activated - CONSTANT ON.



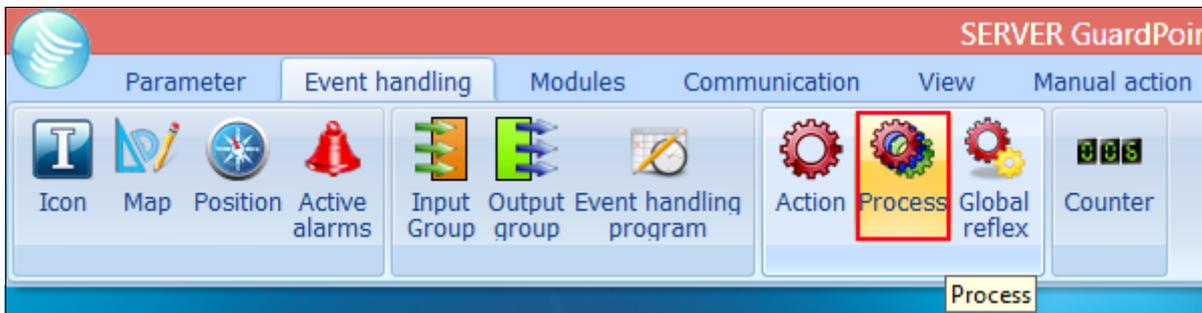
How To Trigger a Relay Group From an Input

Click Save then click Make it a process



then close the action screen

2. Go to the menu Event Handling > Process



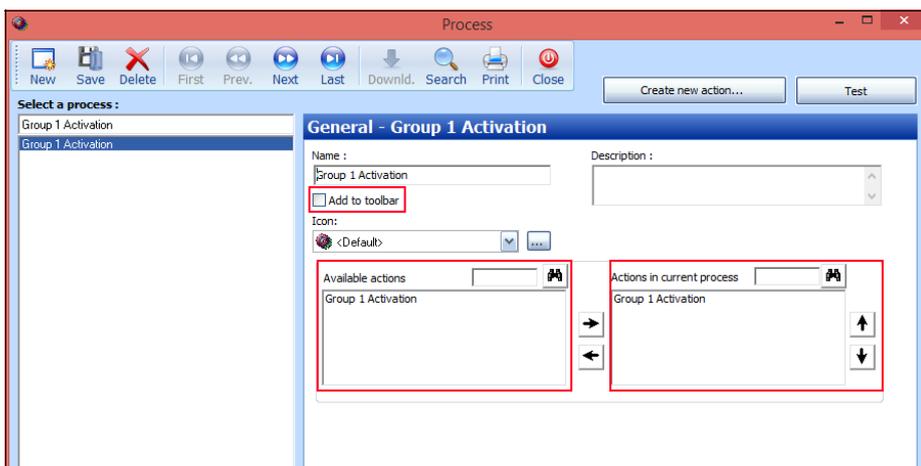
At the Process Screen we only need to check if the process has been created

The Available Actions should contain the action made earlier [Group 1 Activation]

Actions in current process should contain the action made earlier [Group 1 Activation]

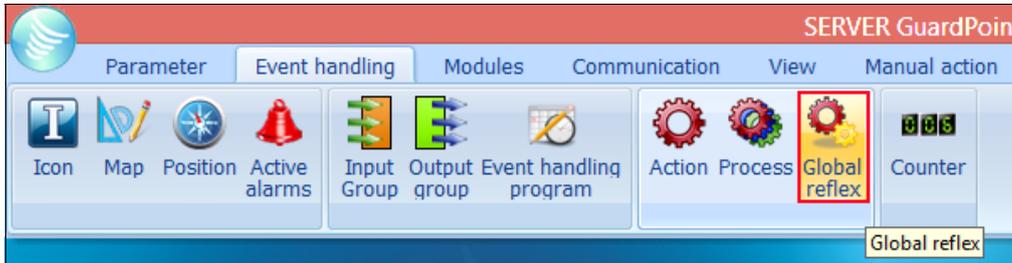
We also have an option here called Add to Toolbar - Checking this checkbox will add a button to the GuardPointPro menu that when clicked would activate this process.

Close the Process Screen

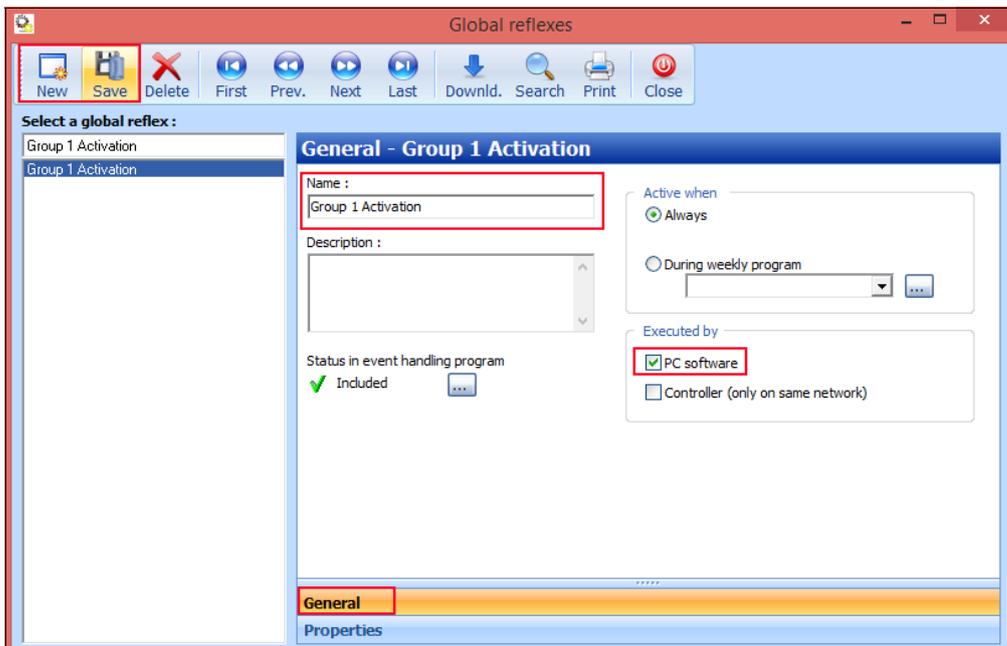


How To Trigger a Relay Group From an Input

3. Go to the menu Event Handling > Global Reflex



At the Global Reflex screen General Tab click New
 Name the new Global Reflex
 For Active when select Always
 for Executed by check PC software
 Click Save



How To Trigger a Relay Group From an Input

Click the Properties Tab

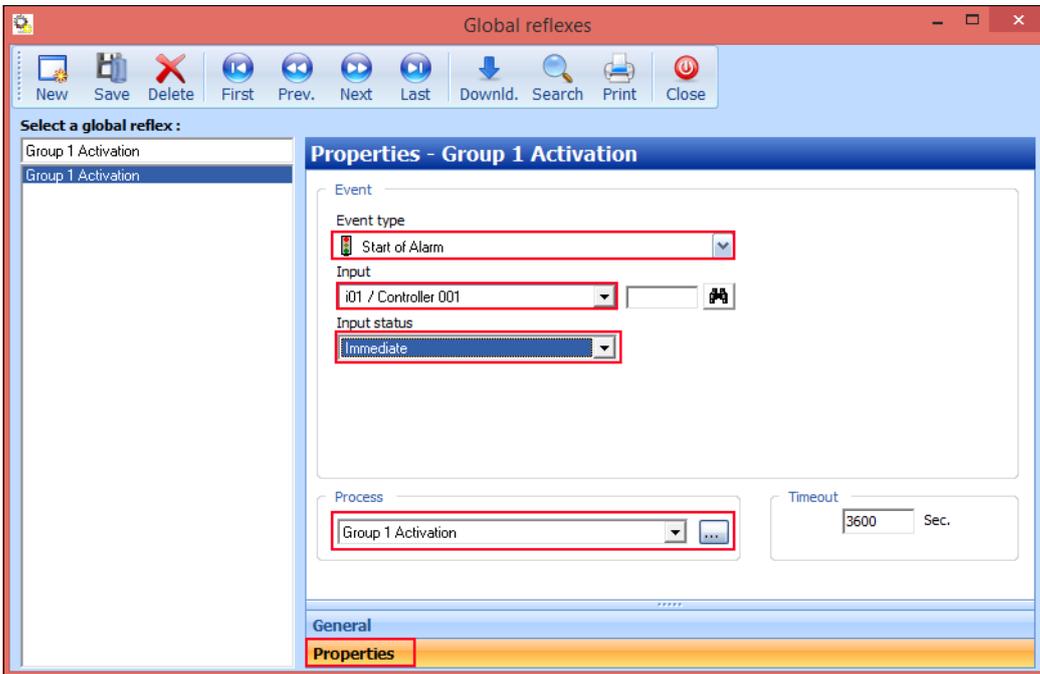
for Event Type select Start of Alarm

for Input select the input for the controller that will receive the signal, in my example i have chosen i01 / Controller 001

for Input Status select Immediate

for Process select the Process made in step 2

Click Save and close the Global Reflex screen



The screenshot shows the 'Global reflexes' application window. On the left, a list titled 'Select a global reflex:' contains 'Group 1 Activation'. The main area is titled 'Properties - Group 1 Activation' and contains the following fields:

- Event type:** Start of Alarm
- Input:** i01 / Controller 001
- Input status:** Immediate
- Process:** Group 1 Activation
- Timeout:** 3600 Sec.

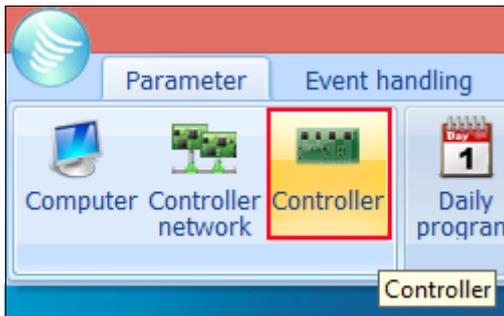
At the bottom, the 'General' tab is selected, and the 'Properties' sub-tab is active.

How To Trigger a Relay Group From an Input

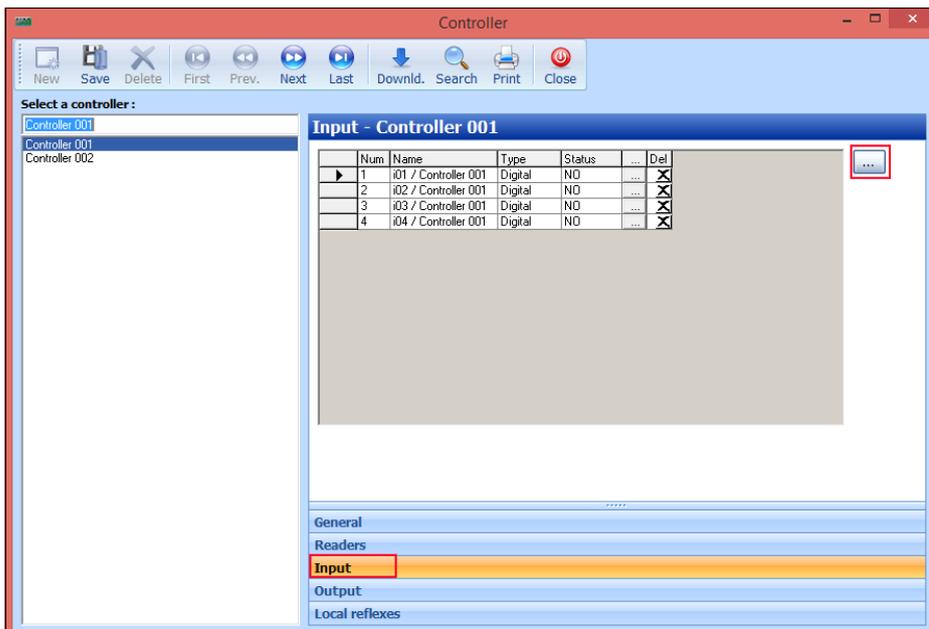
How to Arm the Input

We now need to pick and arm the input which will receive the signal to trigger the above Global Reflex.

1. Go to the menu Parameter > Controller

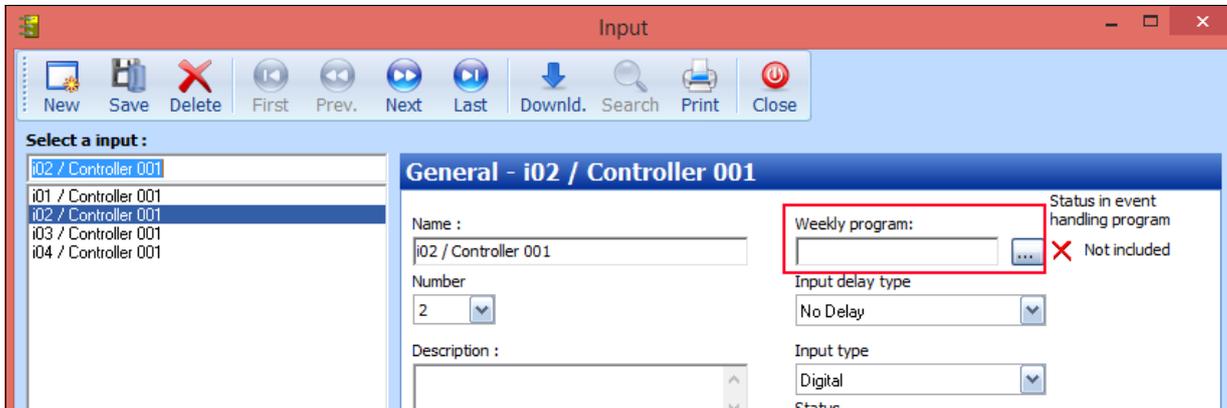


At the Controller screen select the controller which will receive the input signal and select the Input Tab To the right click the button with 3 dots, this will open the Input screen

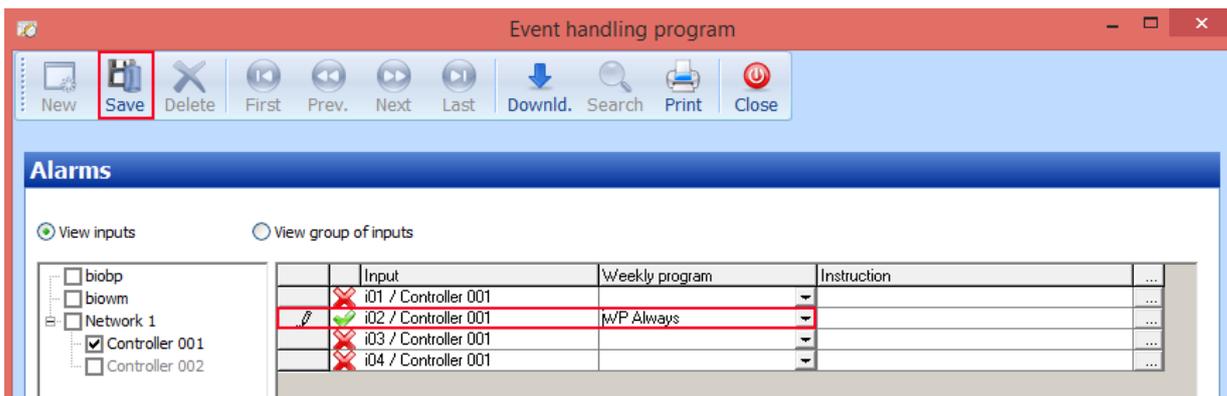


At the Input screen to the right of Weekly Program click the button with 3 dots This will open the Event Handling Screen

How To Trigger a Relay Group From an Input



At the Event Handling Screen you will see all the inputs for the selected controller. All the inputs will have a Red X next to them. For the input that will receive the signal, click its Red X, the red X will turn into a Green Tick. You will also need to assign a Weekly Program to the input, select WP Always from the drop down list. Click Save.



In the Example above I have chosen i02 / Controller001 input to be armed. Once this input receives a signal the Global Reflex will be triggered opening all Outputs / Relays.

NOTE:
 As all Outputs will be opened you may wish to add a button to the GuardPointPro menu to reset the outputs.

1. Follow the steps for Using ACM to effect the relay state Part 1 to create a new duplicate Action, this time selecting Return to Automatic Mode, saving and making a process.
2. Follow Part 2 of Using ACM to effect the relay state. Make sure you tick the Add to Toolbar check box and save.

Once GuardPointPro is restarted a new button will appear on the GuardPointPro menu. Once clicked this will return all relays in the group to Automatic Mode.