TECHNICAL NOTE # 926

CONFIGURING RELAYS in PSM II

This Technical Note will cover the steps required to configure a relay to activate on an assigned alarm point in PSM II.

The following steps will create the action required:

- 1. From the "System Menu" select the "Configure" button.
- 2. From the "Configuration Menu" select the "Action List" button.
- 3. From the "Configure Action List" menu select "+" button to open a "new action list" as shown in Figure 1.

	Configure Action List									
256 AIM Input	256 AIM Input 1 Access Off 255 AIM Input 1 Access On					Selected Action				
270 Cable B - A	ccess On									
272 Cable B Ac	272 Cable B Access Off			Device State	Device Action					
107 enter notes	s 2		Alarm Accept	Log In/Out	Device Alarms					
254 Information	n		📕 Alarm Reset	Module Select	🔲 Matrix Tour					
269 Joined Cab	le - Access Off		Local Matrix Tour							
271 Joined Cab	le - Access On		Allo	w Multiple Simultaneou	s Executions					
287 -new action	n list-									
283 Relay 1 Off	from 336 Target A	larm								
252 Relay 1 On	from 336 Target A	larm								
1 Show CCTV N	lenu									
253 Zone 1 Car	nera 1 Call Up									
251 Zone 1 Sall	ly Port MW - Acces	is Off								
250 Zone 1 Sall	ly Port MW - Acces	is On								
	Search Action List	5								
Alarm Tasks	Device State	Device Action	1							
Alarm Accept	Log In/Out	Device Alarms								
Alarm Reset	Module Select	Matrix Tour								
Show read-onl	y action lists	Uncategorised	1							
+ -		Сору	+-	Сору						
				Apply	Cancel					

Figure 1

4. Under the "Description & Category" box enter the name of the zone or device that the relay will activate on when it generates an alarm. Also check the "Alarm Tasks" box as shown in Figure 2.

Configure Action List									
256 AIM Input 1 Access Off	Description &	Category		Selected Action					
255 AIM Input 1 Access On	PWI Cable B A	IIM - Relay On							
270 Cable B - Access On									
272 Cable B Access Off	🗙 Alarm Tasks	Device State	Device Action						
107 enter notes 2	Alarm Acce	ot 📃 Log In/Out	Device Alarms						
254 Information	Alarm Reset	Module Select	Matrix Iour						
269 Joined Cable - Access Off	Eocar Wattin								
271 Joined Cable - Access On		Allow Multiple Simultaneous	Executions						
288 PM Cable B Alarm - Relay On									
283 Relay 1 Off from 336 Target Alarm	n								
252 Relay 1 On from 336 Target Alarm	n								
1 Show CCTV Menu									
253 Zone 1 Camera 1 Call Up									
251 Zone 1 Sally Port MW - Access Of	ff								
250 Zone 1 Sally Port MW - Access Or	n								
Search Action Lists									
Alarm Tasks Device State I	Device Action								
Alarm Accept Log In/Out D	Device Alarms								
Alarm Reset Module Select	Matrix Tour								
Show read-only action lists	Uncategorised								
+ -	Сору 🕂 –	Сору							
		Apply	Cancel						

Figure 2

5. Under the "Description & Category" box "select the "+" button to open the "Selected Action" list and select the "Device Command" line as shown in Figure 3.

	Configure Action List	
256 AIM Input 1 Access Off 255 AIM Input 1 Access On	Description & Category PM Cable B - Relay On	Selected Action
270 Cable B - Access On 272 Cable B Access Off 107 enter notes 2 254 Information 266 Joined Cable - Access Off 271 Joined Cable - Access On 287 IPM Cable B - Belaw Co	Z Alarm Tacks Device State Device Action Alarm Accept Log In/Out Device Alarms Alarm Aum Revet Module Select Matrix Tour Alow Multiple Simultaneous Executions	Change Jayout Change Lyout Change User's Devices Device Command Enter Notes Goto Tag Historic Poorfloor Exerct Action
283 Relay 1 Off from 386 Target Alarm 252 Relay 1 On from 386 Target Alarm 1 Show CCTV Menu 253 Zone 1 Camera 1 Call Up 251 Zone 1 Sally Port MW - Access Off 250 Zone 1 Sally Port MW - Access On	None	If-Then-Bac Sate Info Text Matrix Action None Override Device Filter Action Pause
Search Action Lists Atam Taola: Device Action Atam Accept Log In-Out Device Action Atam Roset Module Search Matho Tour		Propus Action Pre/Post Keyister Action Pre/Post Stop Action Show Menu Show Window
Show read-only action lists Uncategorised	+ - Copy	Apply Apply to New Action Reject
	Apply Cancel	

Figure 3

- 6. Select the " $\sqrt{}$ " in the Information line to open the "Device to Use" box.
- 7. This will show all configured devices. Select the relay to be used as shown in Figure 4. Select the " $\sqrt{}$ " to open the "Command" box.

Statistical statistics and statistics	Configure Action	List
256 AIM Input 1 Access Off 255 AIM Input 1 Access On 270 Cable B - Access On	Description & Category PM Cable & Alarm - Relay On	Selected Action Device Command Ever, the a command within a driver. The available commands depend on which device is selected.
272 Cable B Access Off 107 enter notes 2 254 Information	X Alarm Tasks Device State Device Action Alarm Accept Log In/Out Device Alarms Alarm Reset Module Select Matrix Tour Local Matrix Tour	Device to Use Specific Device Type of Device
200 Jonned Cable - Access Off 271 Jonned Cable - Access On 288 (PM Cable B Alarm - Relay On 283 Relay 1 Off from 336 Target Alarm 283 Relay 1 Off from 336 Target Alarm 1 Show CCTV Menu 253 Zone 1 Sane 1 Call Up 253 Zone 1 Sane 1 Call Up 250 Zone 1 Sally Port MW - Access Off 250 Zone 1 Sally Port MW - Access On	Allow Multiple Simultaneous Executions	PM-POE-5 Tamper ROM-POE-5 Comfail ROM-POE-5 Compromised ROM-POE-5 Relay 1 ROM-POE-5 Relay 2 ROM-POE-5 Relay 3 ROM-POE-5 Relay 3 ROM-POE-5 Relay 5 ROM-POE-5 Relay 5 ROM-POE-5 Relay 7
Search Action Lots Aam Taka Cog In Out Aam Reap Kodu Salat Device Ation Aam Reap Kodu Salat Shor read only action list Cross		ROM-MOE'S Relay 8 ROM-MOE'S Relay 10 ROM-MOE'S Relay 10 ROM-MOE'S Relay 11 ROM-MOE'S Relay 12 Search Devices Apply Apply to New Action Reject
	Apply C	ancel

Figure 4

- 8. In the "Command" box select the "Relay On" command. Select the " $\sqrt{}$ "
- 9. At the bottom of the "Selected Action" box are three (3) options: Apply, Apply to New Action and Reject. Select "Apply" at the bottom of the "Selected Action" box to save these settings.

Once the alarm actions are configured, select the "Apply" button on the bottom of the page and then select the "Save" button to finish the task.

The following steps will associate the relay to devices:

- 1. From the "System Menu" select the "Configure" button.
- 2. From the "Configuration Menu" select the "Devices" button.
- 3. From the "Configure Devices" menu select the "Channel Device" driver (RPM II, POE, IPP II / etc.) to open the list of sensors and devices.
- 4. From the driver list menu select the sensor or device to be used for this action.
- 5. Once the sensor or device has been selected, select the type of alarm (Intrusion, Tamper, Fault, etc.) that the "Relay Action" will be assigned to.
- 6. When the type of alarm has been selected it will be displayed as shown in the Figure 5 example. Select the "Edit" button to open the "General and States" tab. *Note: If multiple items are displayed and all are to have the alarm tags, check the "Select All" button and then the "Edit Selected" button which will open the "General and States" tab to configure them all in one step.*

Configure Devices												
Selec	ct Channel / Device Southwest Microwave: PC	DE	PM-POE	P	M-POE Alarm by Cell							
Print	t Save 🔍											Options
×	Name 🛆	ID	0	Cable	O First Ce	I 0	Last Cell	0	Linked Device	Edit	0	Delete Selected
×	PM-POE-S Alarms Cable A	8		A	1		207		Select	Edit		Add Bango
×	PM-POE-S Alarms Cable B	8		В	1		207		Select	Edit		Add Kange
												Validate States
												Select All
												Select None
	+ Add a new Device											Edit Selected
					Арр	ly i	Cancel					

Figure 5

7. From the "General and States" tab select "States to open the configuration page as shown in Figure 6.

	Configure Device											
	General	States										
	No. State	e Name	State Value Action	List Accept Actions	Tasks Action Li	st Reset Actions	Escalate Actions	Historic Actions	Icon Anim. Position	State Sound Alarm? rity Alarm Name Colou		
×	1	Alarm	Clear	0	0	0	0	0	0 0 100 100	I Off I		
×			Alarm	D	0	D	0	0	•	III Off		
×	3	Comms Fail	Clear	D	0	D	0	0	0 0 100 100	Off		
×	4		Alarm	0	0	0		0	• 🗙 📃	🔹 On 99 Comms Fail		
×	5	Escalation State	None	0	0	0	0	0	0 25 25 50 50	no 🕷 🗌		
×			Level 1	0	0	0	0	0	0	HR Off		
×			Level 2	0	0	0	0	0	0	w≷ Off		
×			Level 3	0	0	0	0	0		Me Off		
×			Level 4	0	0	0	0	0		He Off		
×	10	Isolate State	Clear	0	0	0	0	0	0 0 100 100	no 🗤		
×			Isolated	0	0	0	0	0		HR Off		
×			Clearing	0	0	0	0	0	0	w≷ Off		
×			Held	0	0	0	0	0	• 📥	we Off		
×			PartIsolated	0	0	0	0	0		He Off		
×	15	Isolate Lock State	e Isolate Unlocked	0	0	0	0	0	0 0 100 100	I III III		
×			Isolate Locked	0	0	0	0	0		I Off		
Ľ	show Actio	on List Columns	Show Image/Sound	Columns Show Alarm	Columns Sho	ow Reset Columns				Select All Select None		
	Configuring device A											
							Close					

Figure 6

- 8. Under the "Action List" column select the "Alarm" row to open the "Select Action List" dialog box. In the "Action List" find and select the action that was created so that it is displayed in the "Preview" pane. If this is the correct task, select the "Select" button at the bottom of the dialog box. The action will now be displayed in the "Alarm" row of the "Action List"
- 9. Select "Close" at the bottom of the screen and then select the "Apply" button at the bottom of the screen.
- 10. Select the "Save" button to complete the task.

Do these steps for all sensor and device alarms that will require relays to trigger.

To have the relays re-set, perform the same functions as above but use the "Relay Off" command and insert the action into the "Task Action List" as shown in Figure 6.

For additional information, please refer to the Perimeter Security Manager Configuration Manual.