

Knowledge Base Article

Product Group: Software Product: CMSW7400 - @ptitude Analyst Version: N/A

Abstract

To enable data collection under special conditions, Alarm Groups can be set up which will group POINTs together and collect data when any of the POINTs go into alarm. It is also possible to set up active ranges with speed, process, or digital conditions to collect data within a defined range or condition. This article describes a brief procedure on how to add **Alarm Groups**, and set up **Relays** and **Active Ranges** in SKF @ptitude Analyst.

Overview

The procedures below describe how to add **Alarm groups**, and set up **Relays** and **Active Ranges** within SKF @ptitude Analyst.

To Create a New Alarm Group

1. In @ptitude Analyst, go to **Customize > Alarm Attributes > Alarm Settings...** [Figure 1]



Figure 1. Customize > Alarm Attributes > Alarm Settings...





2. Select the Alarm Group tab, and then click the Add button. [Figure 2]

Overall Band	Speed Alarm	Envelope	MCD	Inspection	n
Digital Output	Mess			m Group	'n
					•
<u>I</u> Mx devices:	IMx TSG				~
Alarm groups:	New Alarm Group			•	~
<u>N</u> ame:	New Alarm Group				
Included POINTs:					
					_



Figure 2. Alarm Settings

- 3. Select an IMx device from the drop-down list, and enter a name for the alarm group in the **Name** field.
 - POINTs are added to an alarm group from the Point Properties
 > IMx Setup tab.
 - For existing alarm groups, the POINTs that have been added to the alarm group may be viewed in the Included POINTs area. This is a read-only field. To add or remove POINTs from the alarm group, you must edit the POINT's properties on the POINT Properties > IMx Setup tab.



To Remove an Alarm Group

1. Select the alarm group to be removed from the **Alarm group** dropdown list. [Figure 3]

P	OINT Properties					Þ	<
	Speed Alarm Mess General Setup	ages Notes IMx Setup		Images ter Keys	Band Setup Log	Envelope Overall	
	Alarm group:	New Alarm	Group			View	

Figure 3. Select Alarm group to remove

 If POINTs are included in this alarm group [Figure 4], they must first be removed by editing the POINT's properties on the **POINT Properties > IMx Setup** tab.

Alarm Settings		
Overall Band Digital Output	Speed Alarm Envelope Messages	MCD Inspection Alarm Group
IMx devices:	IMx TSG	✓
Alarm groups: Name:	New Alarm Group New Alarm Group	<u> </u>
Included POINTs:	Out on Analyst	
ia⊶ 📜 Sample IMx unit ia⊸∰ Imx Device	-	
Accel Po	bint	

Figure 4. POINTs included in alarm group

3. Press Remove.



Setting Up Relays and Active Ranges

- 1. In the **IMx Setup** tab, select the **Alarm group** from the drop-down list.
- 2. Select the **Alert relay** and **Danger relay**, if needed.
- 3. Set the active range for **speed**, **process**, or **digital**, by pressing **Select...** and choose the POINT to enable collection.
- 4. Check the **Enable active range** option, and then set the **Min**, **Max**, and **Delta** ranges. [Figure 5]
- 5. For digital collection, ensure the **Active state** is set.

NT Properties	
Speed Alarm Mes: General Setup	sages Notes Frequencies Images Band Envelope IMx Setup Schedule Filter Keys Setup Log Overall
deneral Setup	IN Setup Schedule Filter Keys Setup Log Overall
Alarm group:	Alam group 1 View
Alert relay:	Relay1 Danger relay: Relay2
Speed collection	
Speed reference:	\Hierarchy \IMx m \Speed
Speed ratio:	1
Min: 1000 Process collection	Max: 3000 Delta: 0 Unit: RPM
Process reference:	\Hierarchy \IMx m \Temp Select
Enable active ran	ge
Min: 1000	Max: 3000 Delta: 0 Unit: Process Unit
Digital Collection	
Digital reference:	\Hierarchy \IMx m \Logic Select
Enable active ran	ge Active state:

Figure 5. Enable active range

6. Press **OK** to save the changes, then exit POINT Properties.

For further assistance, please contact the Technical Support Group by phone at 1-800-523-7514 option 8, or by email at <u>TSG-Americas@skf.com</u>.

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