

# **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 D Band D	Speed Alarm	Envelope	мер	Inspection	n.
Digital Output	Mess	ages	Alar	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	Frequencies	Images Iter 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:	New Alarm Group	<u> </u>
Included POINTs:		
E Sample IMx Dig E Market Sample IMx unit E Market IMx Device	Out on Analyst	
Accel Po	pint	

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 Me	ssages Notes Frequencies Images Band Envelope
	IN Setup Schedule Filter Keys Setup Log Sverall
Alarm group:	Alarm group 1 View
Alert relay:	Relay1   Danger relay: Relay2
Speed collection	
Speed reference:	\Hierarchy \IMx m \Speed Select
Speed ratio:	1
Min: 1000 Process collection	Max: 3000 Delta: 0 Unit: RPM
Process reference:	\Hierarchy \IMx m \Temp Select
<ul><li>Enable active ra</li><li>Min: 1000</li></ul>	Max: 3000 Delta: 0 Unit: Process Unit
Digital Collection	
Digital reference:	\Hierarchy \IMx m \Logic Select
Enable active ratio	nge Active state: Low

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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