



ADISRA SmartView Historical Alarm Configuration

Document Information

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1. Scope

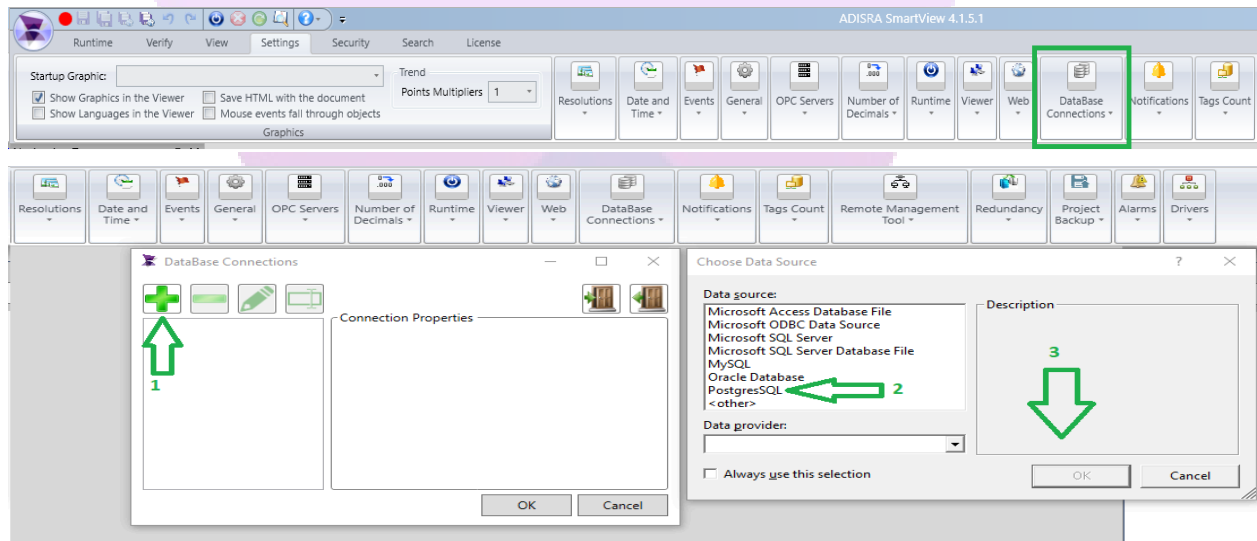
This document is intended to teach the user how to create and configure historical alarms combined with the application of filters.

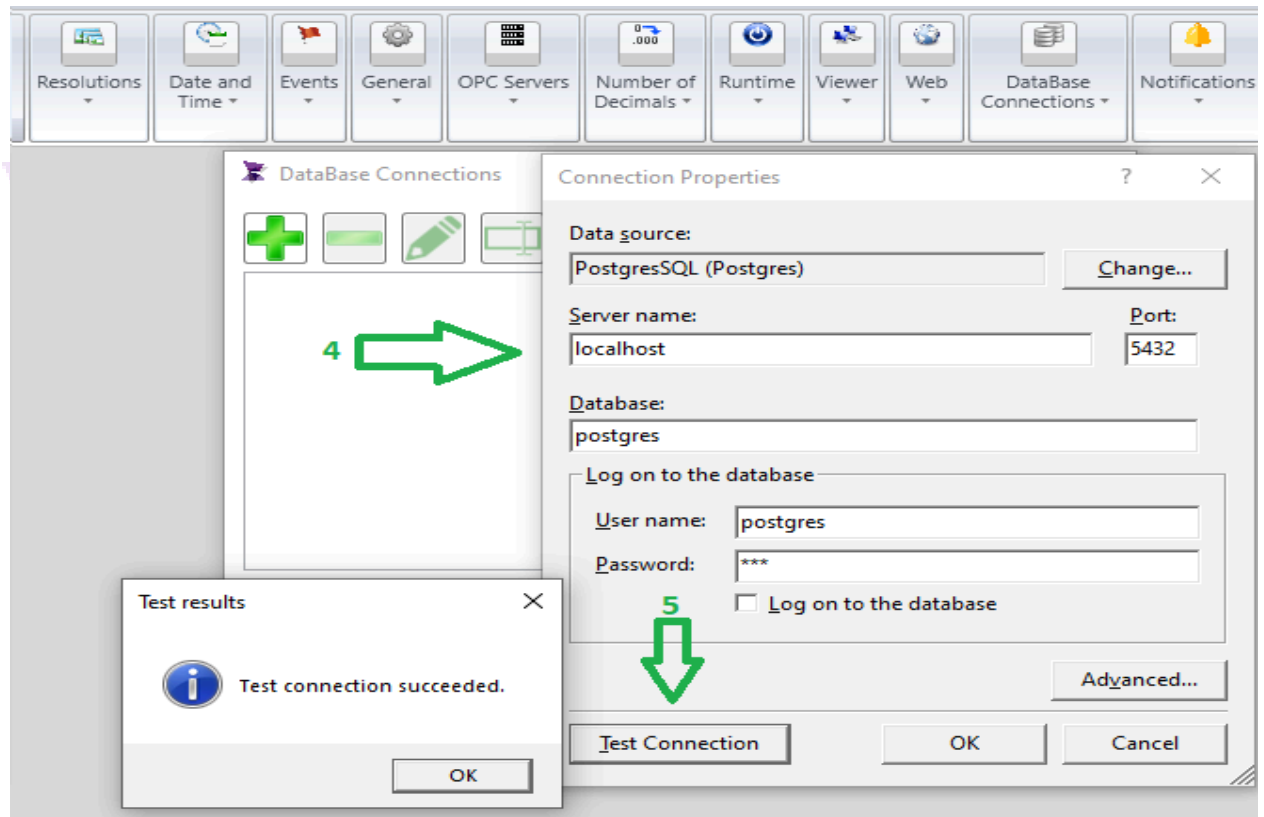
2. Summary

This document teaches you how to create and configure alarms, allowing proprietary saving in project documents or in databases (MySQL, PostgreSQL, SQLite, SQL Server, etc.) and specifying how many days you want to keep this history saved. In the second topic of the document, you will also find an explanation of how to filter alarm histories by priority, date, range, or filter types.

3. Step-by-step instructions for configuring historical alarms:

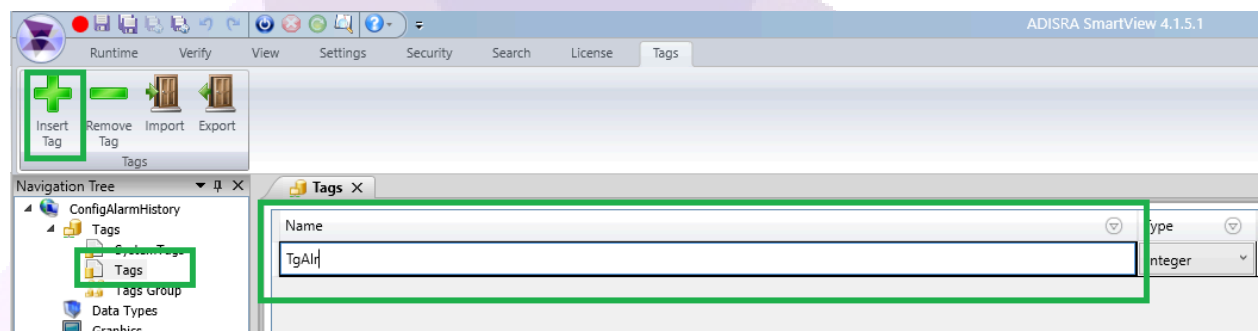
3.1. Create a connection to the database in the ribbon -> settings -> database (If you are saving the proprietary history, skip to the second step)



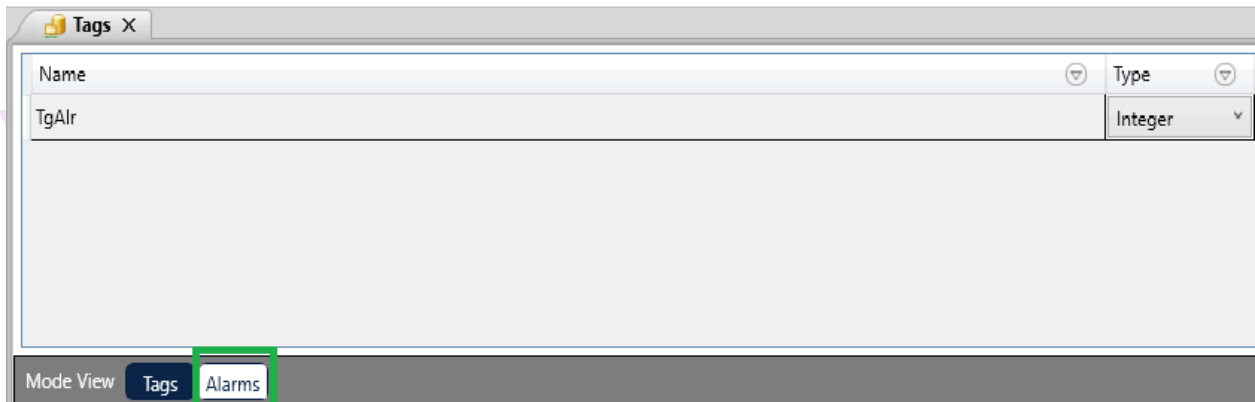


The connection to the database was successful.

3.2. Create a tag

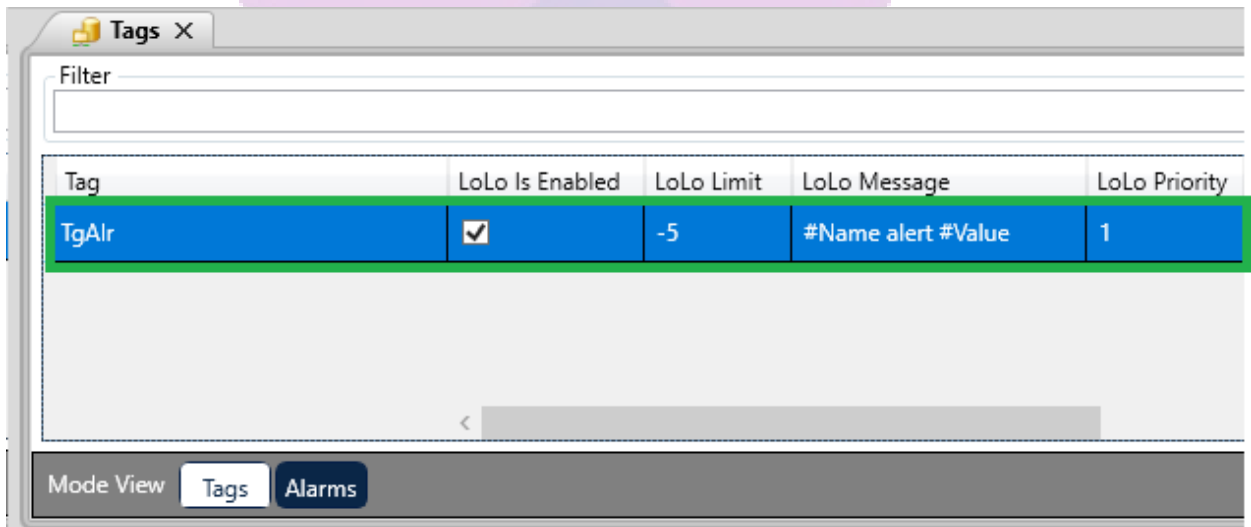


3.3. Now in the tags document, switch to the Alarm tab.

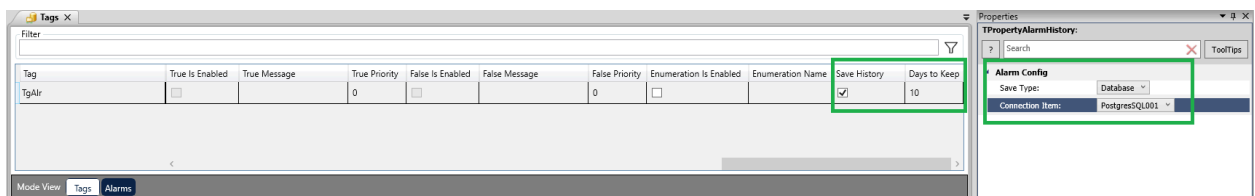


3.4. Select the type of alarm you wish to use.

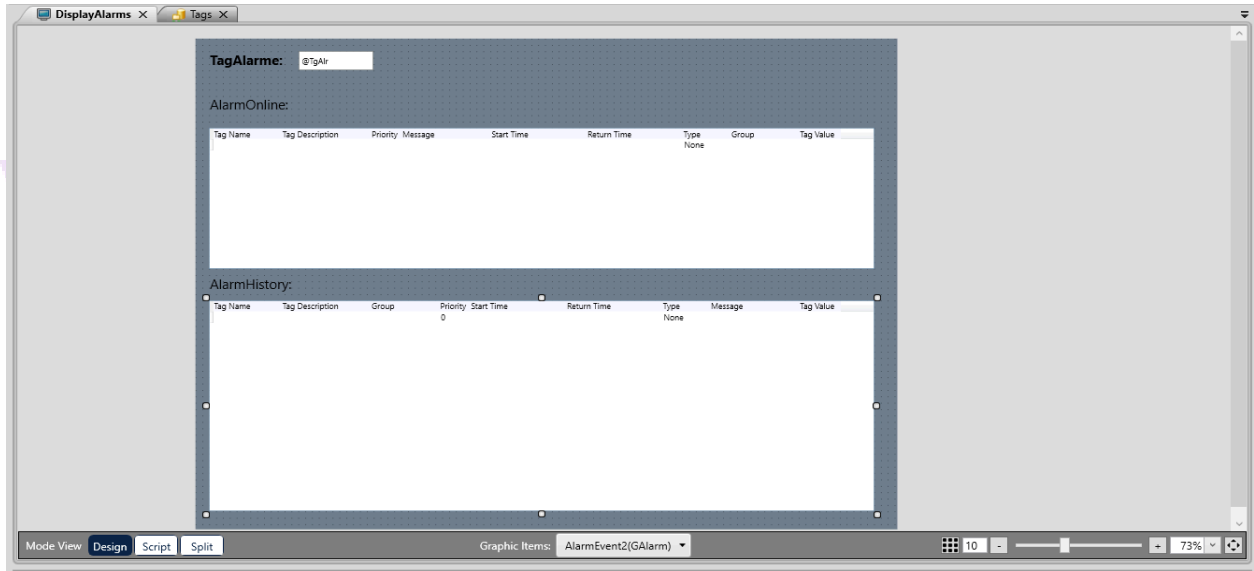
3.5. Configure the threshold, message, and priority for the alarm.



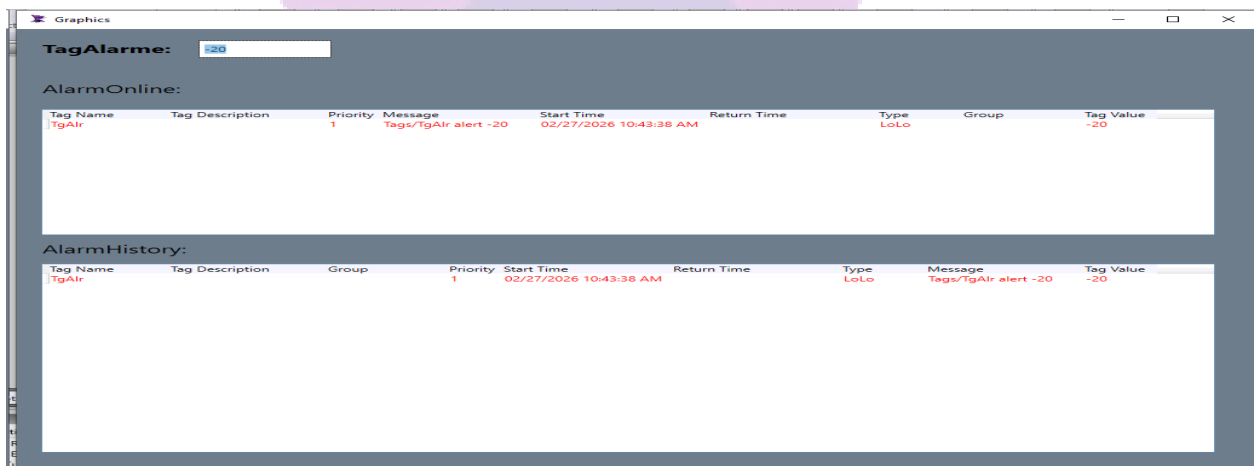
3.6. Now scroll to the bottom of the alarms tab and select the "Save history" and "Days to keep" properties.



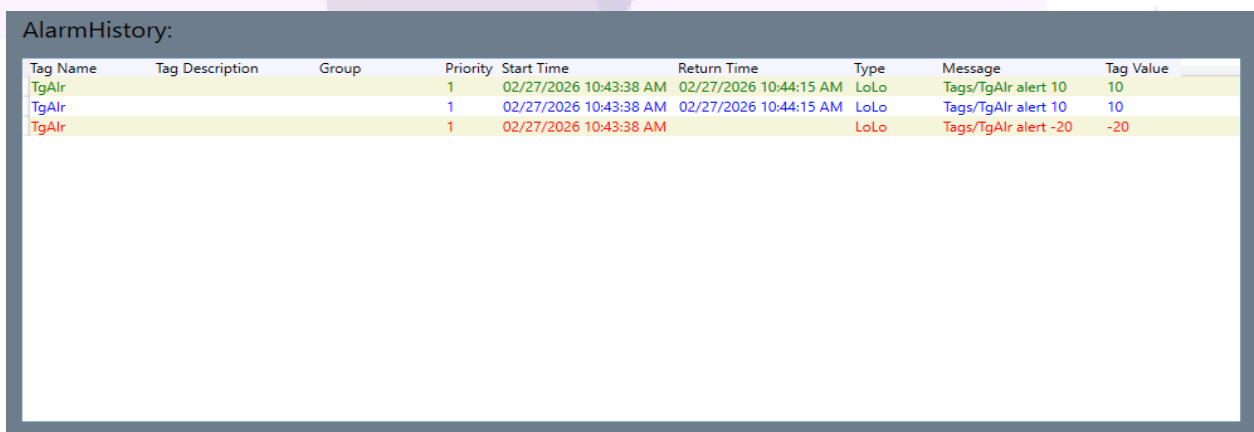
3.7. Create a graphic and add an online alarm object, an alarm history object, and a textbox with the tag that triggers the alarm.



3.8. Start the runtime and trigger the alarm.



3.9. Check if the value was displayed in the alarm history object.



3.10. Restart the runtime and you will see that the alarm is saved.

Graphics

TagAlarms: 0

AlarmOnline:

Tag Name	Tag Description	Priority	Message	Start Time	Return Time	Type	Group	Tag Value

AlarmHistory:

Tag Name	Tag Description	Group	Priority	Start Time	Return Time	Type	Message	Tag Value
TgAlr			1	02/27/2026 10:43:38 AM	02/27/2026 10:44:15 AM	LoLo	Tags/TgAlr alert 10	10
TgAlr			1	02/27/2026 10:43:38 AM	02/27/2026 10:44:15 AM	LoLo	Tags/TgAlr alert 10	10
TgAlr			1	02/27/2026 10:43:38 AM		LoLo	Tags/TgAlr alert -20	-20

Any questions related to the settings or alarm types can be found in our help document at the following address:

Documents >> Tags Document >> Tags Alarm Configuration >>

Tags Alarm Configuration

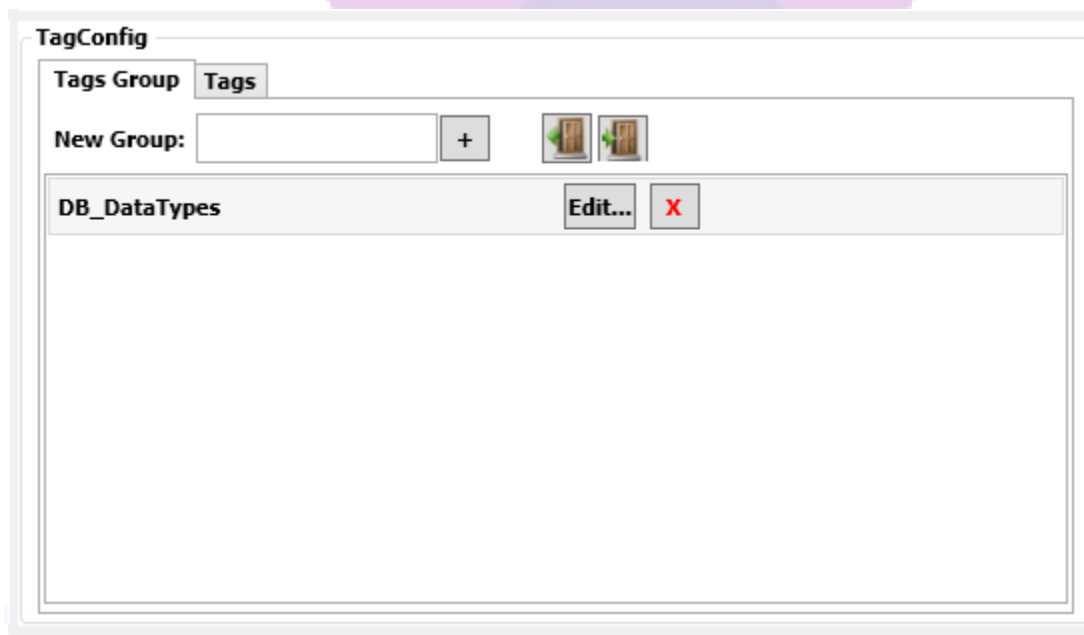
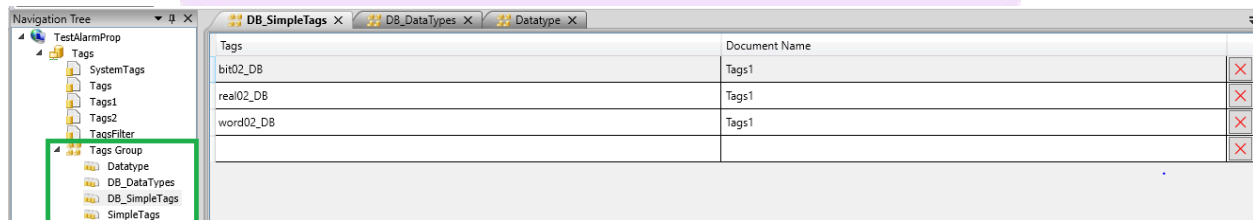
Documents >> Tags Document >>

Tags Alarm Configuration

This area is used to set alarms to existing tag items. Alarms are used to create messages to inform about specific changes made to tag's value. The String and DateTime types do not have alarms to set.

Notes:

- When the user intends to configure multiple tags so they don't have to add them one by one to the object, the user can create a "Tag Group" document and add the tags with the configured alarm, allowing them to add all the tags simply by the name of the created document.
- This configuration also helps with filtering, as the user can filter by tag group.

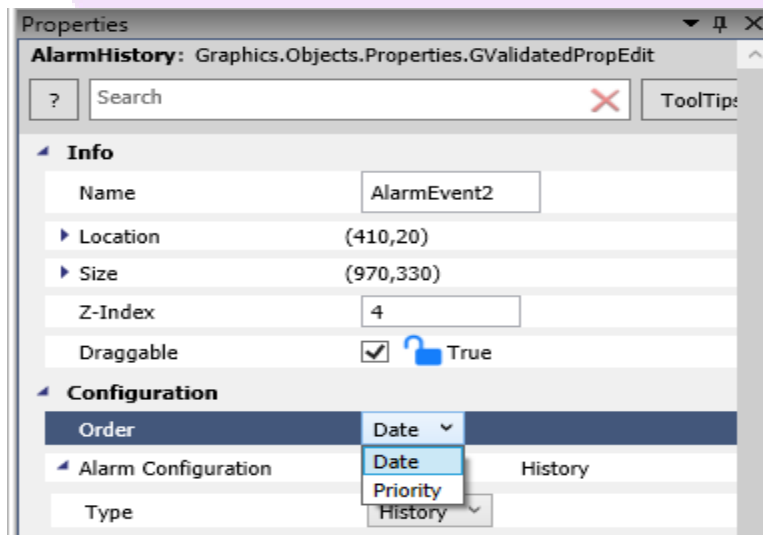


4. Alarm filter configuration:

Regarding ways to filter alarms:

We have some options directly linked to the alarm object.

4.1. The user can sort the alarm by priority or date:



4.2. There is an option to configure the alarm range you want to display in the history as relative to absolute, and you can add tags to make the range and display change dynamic.

☐ Absolute
 ☒ Relative(d.hh:mm:ss)

Alarm/Event Date Range

Now ▾
 01:00:00

☒ Backward
 ☐ Forward

Filters:

Tag ▾ +

The top screenshot shows the 'Absolute' mode selected. The 'Alarm/Event Date Range' section contains two identical date/time pickers, both set to 02/27/2026 10:35:53 AM. The bottom screenshot shows the 'Relative' mode selected. The 'Alarm/Event Date Range' section contains two text input fields, the first labeled '@eDate' and the second '@sDate', each followed by a small calendar icon for date selection.

4.3. And you can also apply a filter by adding the values you want to filter by column.

The screenshot shows the 'Filters' dialog box. It contains a table with the following columns: Filter Name, Type, and Status. The 'Status' column is expanded, showing a dropdown menu with the following options: Tag, Type, Priority, Group, and Status. The 'Status' option is highlighted. There are also 'X' icons next to each option in the dropdown menu.

If you have any questions about the configuration, you can use the help documentation on the following page:

Documents >>Graphics Document >>Objects Configuration >>Configuration
>>Alarm Config >>Alarm Configuration Fields(History)

The screenshot shows the 'Alarm Configuration fields (History)' page. The breadcrumb navigation path is: Documents >> Graphics Document >> Objects Configuration >> Configuration >> Alarm Config >>. The page title is 'Alarm Configuration fields (History)'. The main content area contains a description: 'The history Alarm/Event objects are used to store and observe all states the specified alarms changed to in a specified time range, allowing the user to keep track of the changes that may occur while not using the application. This page will present the specific fields this object type contains to be configured.'