

# Alarms - Alarm History Filter



Download the Project Example here:

[AlarmHistoryFilter.tproj](#)

- **Project Name:** AlarmHistoryFilter
- **Software Version:** 9.2 sp2 (9.2.26)
- **Keywords:** Alarm. History. Filter.

## Project Summary

This sample shows how to filter Alarm History data using start and end dates and SQL statements as filters.

**Online**

Ack	Active Time	TagName	Message
	8/30/2022 11:18:21....	Tag.SimulationValue	The Simulation Value reached 70
X	8/30/2022 11:18:14....	Tag.SimulationValue	The Simulation Value passed 5
X	8/30/2022 11:18:12....	Tag.SimulationValue	The Simulation Value reached 90

**History 1**

Start Date: 08/30/2022 11:08 PM Now  
End Date: 08/30/2022 11:18 PM

Ack	Active Time	TagName	Message
	8/30/2022 11:18:21....	Tag.SimulationValue	The Simulation Value reached 70
X	8/30/2022 11:18:14....	Tag.SimulationValue	The Simulation Value passed 5
X	8/30/2022 11:18:14....	Tag.SimulationValue	The Simulation Value passed 5
	8/30/2022 11:18:14....	Tag.SimulationValue	The Simulation Value passed 10

**Good to know**

You can copy the rows to Excel by right clicking on the respective rows, selecting Copy, then Paste.

**History 2**

Ack	Active Time	TagName	Group	Value	Condition	Message
	8/30/2022 11:18:21....	Tag.SimulationValue	Warning	70.00	Hi	The Simulation Value reached 70
X	8/30/2022 11:18:14....	Tag.SimulationValue	Critical	6.00	LoLo	The Simulation Value passed 5
X	8/30/2022 11:18:14....	Tag.SimulationValue	Critical	0.00	LoLo	The Simulation Value passed 5
	8/30/2022 11:18:14....	Tag.SimulationValue	Warning	0.00	Lo	The Simulation Value passed 10

Insert here any SQL statements to be the filter like the examples below:  
1) Condition = 0    **Note:** 0 = Hi    1 = HiHi    2 = Lo    3 = LoLo  
2) Group = 'Warning'

**Filter:** Condition = 0 AND Group = 'Warning'

## Technical Information

The Alarm Viewer object allows to show Online Alarm, Historian Alarms or Audi Trail logs.

In order to select the historian time-frame, the Alarm Viewer object uses the fields Start and EndDateTIme.

This example shows use calendar or SQL queries to populate the Start and End fields.

## Reference Information

See [Alarms and Audit Trail](#) for more information.

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