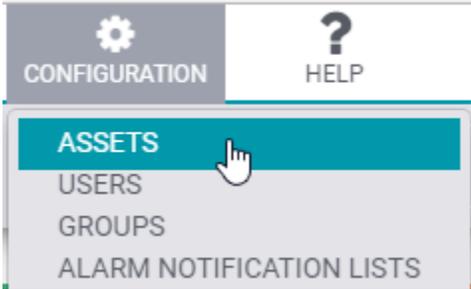# DV3101 – Alarm Criteria: Thresholds and Alarm Delay
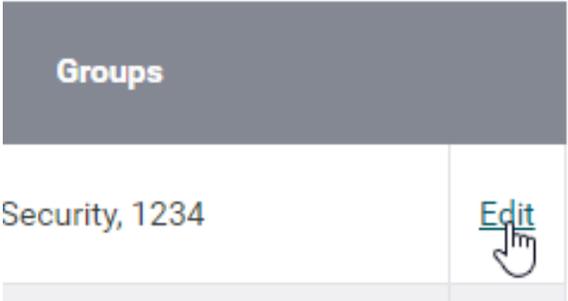
Software Release   ViewPoint v1.1.1 and previous

Scope   Define alarm criteria for an Asset's input and demonstrate where to edit alarm criteria settings for an input.

Purpose   Setting the Minimum and Maximum alarm thresholds for a given input such that when they are crossed the Asset will be in alarm condition and notifications will be sent out according to alarm delay and notification settings. See related documents for information on notification settings.

Applicable User Groups   System Administrator, Group Administrator

Requirements   User must be logged into the ViewPoint system with Admin or Group Admin privileges. To create groups from all users and assets, user must be logged in with Administrator privileges.

Note: Group Admins will only be able to edit assets assigned to groups for which they are the Group Administrator.

Definitions

Alarm Min   The limit below which the input will be in an alarm state after the Alarm Delay is exceeded.

Alarm Max   The limit above which the input will be in an alarm state after the Alarm Delay is exceeded.

Alarm Delay   The contiguous period, that if exceeded, constitutes an alarm condition for the Asset that is outside its normal operating range. If the Asset readings return to within the Min and Max range within the Alarm Delay period, an alarm condition does not exist and no notifications will be sent.
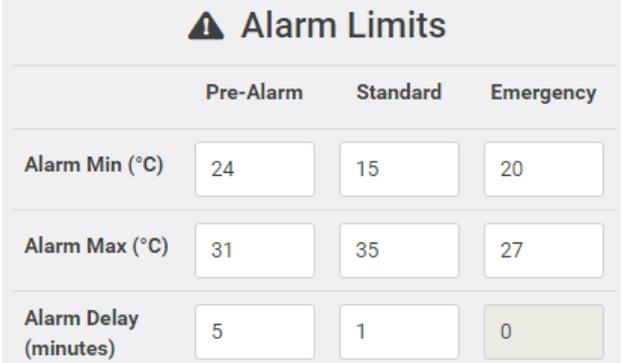
Mesa Labs, Inc.
12100 W. 6th Avenue
Lakewood, CO 80228 USA

MesaLabs

Tel: 303-565-2724
monitoring.mesalabs.com
monitoring@mesalabs.com

Process

Step 1	From the ViewPoint Home Screen, navigate to the **CONFIGURATION** menu and select **ASSETS.**	

Results: This will open the Asset Configuration screen.

Note: Latching preferences can be set when adding an Asset to the system, but this document will demonstrate editing an Asset already on the system.

Step 2	Locate the VPx sensor to edit in the list of Assets and click Edit in the rightmost column of the of the Asset list. **Note:** Make sure to select the Edit link on the line of the Asset being edited.	

Results: This will bring up the Asset settings screen.

Step 3	Navigate to the Inputs section at the bottom of the page. The alarm criteria settings are labeled ⚠ **Alarm Limits**. **Note:** If multiple inputs exist for an Asset, make sure that to edit the latching settings for the correct input.	

Results: This is where the alarm limits and alarm delay are set.

Note: The units of measure are determined by the type of input. This document shows temperature readings. The units may be different depending on what is being measured (^{0}C), but the process is the same. (See related records for explanation of Pre-Alarm, Standard and Emergency alarm types). If 21 CFR Part 11 is enabled (this is activated by default), then electronic authentication is required.

Step 4	Enter Username and Password.	Username	Password

Results: This will authenticate the process, and add credentials to the Audit Log to show who added the user and when.

Step 5	Click Save button to save changes.	Cancel	Save

Results: Alarm Min, Max, and Alarm delay options have now been updated. All future readings will trigger an alarm state according to the new settings.

Notes and Comments

It is important to understand how the latching settings affect alarms conditions and alarm resolution. Please see related documents for more information on Latching vs Non-Latching alarms.

Related Documents

Document No.	Title	Scope
DV3102	Alarm Types: Pre-Alarm, Standard, Emergency	Define alarm types for an Asset input and demonstrate where to edit alarm types based on desired alarm criteria.
DV3103	Alarm Latching	Outline the difference between latching and non-latching alarms, and show where this setting is located on an existing asset.
DV3105	Alarm Handling: Inhibiting an Alarm	Disabling system notifications for an Asset by temporarily Inhibiting an Alarm for an Asset which is in an Alarm state.
DV3106	Local Audible & Visual Alarm on VPx Sensor	1. Establishing VPx sensor Local Audible & Visual Alarm settings 2. Mute the alarm at the sensor (this does not affect the system alarm handling)
DV3107	Alarm Handling: Closing an Alarm	Resolving an Alarm and Filing a Corrective Action for an Asset which is in an Alarm state.