escribeHOST

Alerts

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Introduction

The **Alerts** feature in Cardiac Signals allows users to easily see alerts matching transmissions, and filter transmissions by alert priority.
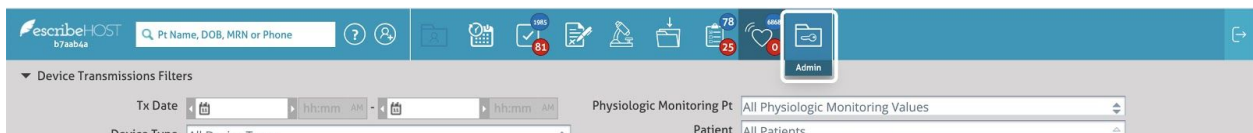
The **Custom Alerts** feature allows users to configure custom alerts. Users can select the conditions that trigger these alerts, and choose a priority.

This training document presents the step-by-step process to create a new custom alert, as well as how to view and filter Alerts in the transmissions list.

Create a new custom Alert

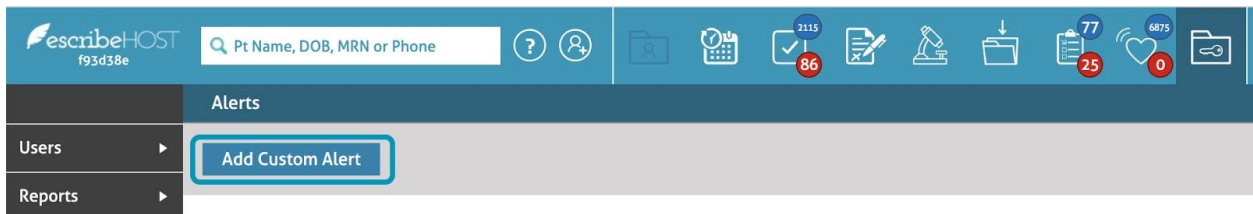In this section, you will learn how to create a custom alert.

Go to the **Admin** module on the top navigation bar and select **Cardiac Devices** from the menu on the left.

Click **Alerts** from the dropdown menu.

Click the **Add Custom Alert** button.

A pop-up displays.

Alert Priority. Select a priority from the following options in the dropdown menu.

- Red Alert **(!!!)** - High priority
- Yellow Alert **(!!)** - Medium priority
- Green Alert **(!)** - Low priority.

This field is required.

Name. Type in a short, meaningful name for the alert. You can type up to 30 characters. This field is required.

Select a **Manufacturer** from the dropdown menu. By default, the Alert applies to **All Manufacturers**.

If a manufacturer is selected, the alert will only trigger for transmissions with a device from that manufacturer.

Device Type. Select a device type from the dropdown menu. By default the Alert applies to **All Device Types**.

If a device type is selected, the alert will only trigger for transmissions for that device type.

Now, build the condition(s) for this alert.

EXAMPLE:

- **Condition Type**: MDC_IDC_MSMT_BATTERY_REMAINING_PERCENTAGE
- **Operator**: <=
- **Value**: 10

Result: This alert will appear when the battery remaining percentage is less than or equal to 10%.

First, **select a Condition Type** from the dropdown menu. The options are:

- **MDC_IDC_EPISODE_TYPE** - Select this option when you want the alert to display based on the type of episode.
- **MDC_IDC_EPISODE_VENDOR_TYPE** - Select this option when you want the alert to display based on the vendor type.
- **MDC_IDC_MSMT_BATTERY_REMAINING_PERCENTAGE** - Select this option when you want the alert to display based on the remaining battery percentage of a device.
- **MDC_IDC_MSMT_BATTERY_REMAINING_LONGEVITY -** Select this option when you want the alert to display based on the remaining battery longevity of a device.
- **MDC_IDC_MSMT_BATTERY_VOLTAGE -** Select this option when you want the alert to display based on the battery voltage.
- **MDC_IDC_SESS_TYPE** - Select this option when you want the alert to display based on the session type.
- **MDC_IDC_DEV_IMPLANT_DT** - Select this option when you want the alert to display based on the implant date.

This field is required.

Select an **Operator** from the dropdown menu that applies to the condition type selected earlier.

The operators compare the **transmission value** (the value in the transmission for the given Condition Type, e.g.: Battery Remaining Percentage),

to the **condition value** (the value in the alert for the condition, under "Value").

The options include:

- **=** - Transmission value precisely matches the condition value.
- **>** - Transmission value is greater than the condition value.
- **>=** - Transmission value is greater than or equal to the condition value.
- **<** - Transmission value is less than the condition value.
- **<=** - Transmission value is less than or equal to the condition value.
- **Contains** - Transmission value contains the entire condition value (at the beginning, middle, or end).
- **Does Not Contain** - Transmission value does not contain the entire condition value, anywhere.
- **Is Present** - Any transmission value is present. (condition value is not needed)
- **Is Absent** - No transmission value is present. (condition value is not needed)

This field is required.

Value. This field is the last part of the condition. Type in the value for the custom alert.

This field is required.

Add more. You can add more conditions by clicking in the **+** button. You can also **remove** conditions (except for the first condition) by clicking the **X** button.

Transmissions must match ALL conditions in order to match the alert. This means adding a second (or 3rd, etc) condition makes the alert match a more specific, smaller set of transmissions.

EXAMPLE:

Condition Type: MDC_IDC_MSMT_BATTERY_VOLTAGE
Operator: <
Value: 10.3

[+]

Condition Type: MDC_IDC_MSMT_BATTERY_REMAINING_PERCENTAGE
Operator: <
Value: 10

Result: This alert will appear for transmissions indicating that the battery voltage is less than 10.3V **AND** the remaining battery percentage is less than 10%.

Click the **Save** button to finish the process.

The new Alert displays in the Alerts list.

NOTE: You cannot edit alerts. You can only activate/deactivate an Alert by selecting the checkbox in the **Activate** column, or remove the Alert by clicking the **Delete** icon.

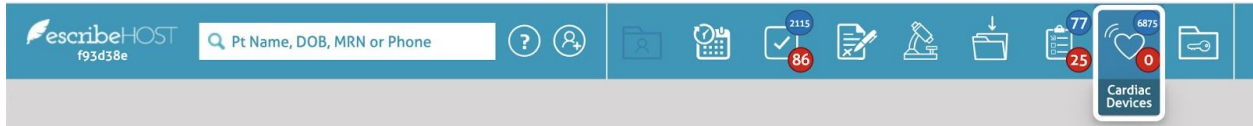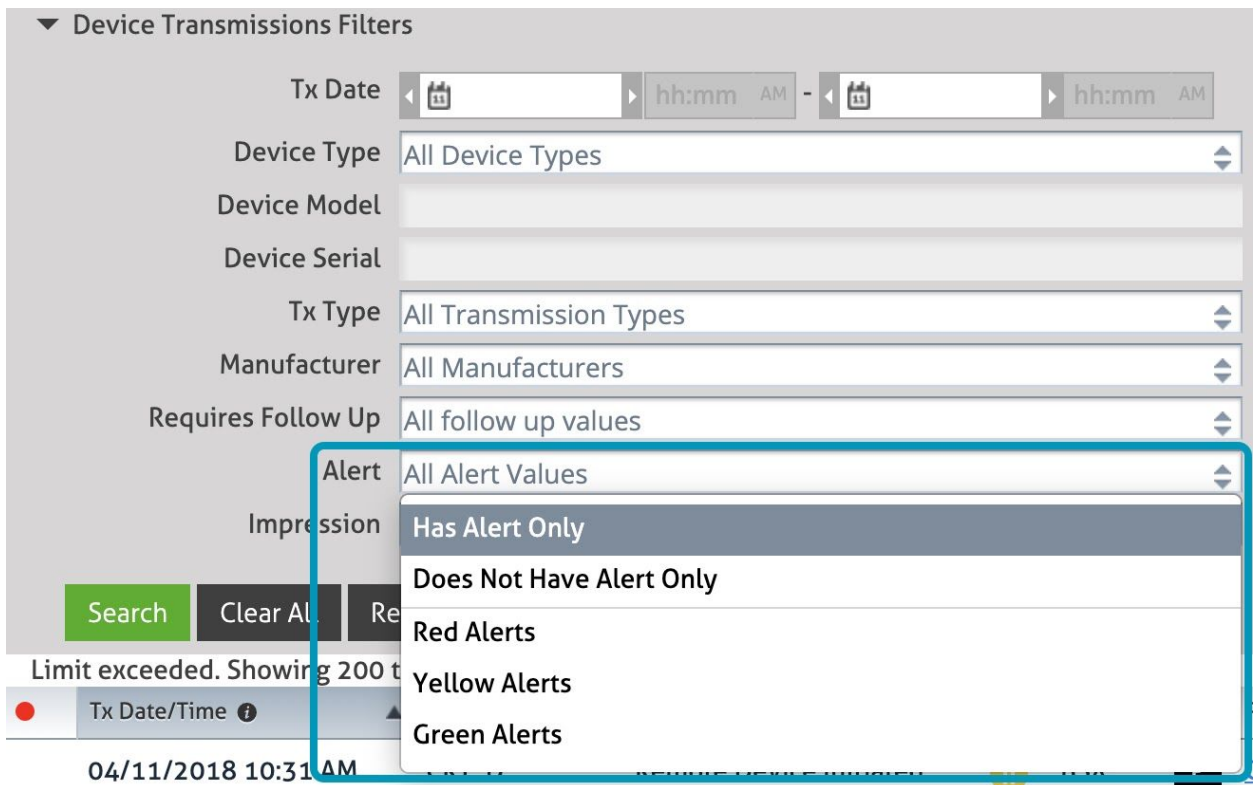Alerts that are not active will not appear on transmissions.

Filter and View Alerts in Transmissions

In this section, you will learn how to view and filter Custom Alerts and manufacturer-sent alerts in transmissions.

Go to the **Cardiac Devices** module from the menu.

In the **Device Transmission Filters**, you can filter by **Alert**. You can select a single priority to show only transmissions with alerts that match that priority, or you can show only transmissions with ANY alert, or only transmissions without any alerts.

Alerts display in a column next to the Transmission type and show the icon that corresponds to the Priority of the Alert. The color and number of exclamation points differs for each priority.

- Red: **(!!!)**
- Yellow: **(!!)**
- Green: **(!)**

Manufacturer-sent alerts and custom alerts are BOTH shown in this column.

NOTE: If a transmission has two or more Alerts, the icon displays the highest priority of any alert, custom or manufacturer-sent.

Click on the **icon** to show a popup with details about each alert for the transmission.

When viewing a transmission, a clickable Alert Priority **icon** is visible in the top left, if any alerts are present.

Click on the **icon** to show a popup with details about each alert for the transmission.