

REXNORD IIoT PORTAL USER MANUAL — Dashboard Guide

How to Use this Manual

This manual details how to manage your connected devices through the [Rexnord IIoT Portal](#), including how to add new groups and devices, and how to manage your report subscriptions.

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1. LOG IN AND REGISTRATION

Begin by visiting:

<https://gear.iiotsmart.rexnord.com>

If you already have an account, log in and skip to [Step 1.2](#).

If you do not, continue to [Step 1.1](#).

1.1 HOW TO REGISTER

Use the “Click here” link which will take you to the registration form ([See Fig. 1a](#)).

- 1.1.1 Enter the required information and click the “Create Account” button.

NOTE: Use your company name for the Enterprise Name field, a Rexnord admin will approve after it is submitted ([See Fig. 1b](#)).

NOTE: The “Request Administration Access” button should only be checked if you will be an administrator for the portal ([See Fig. 1b](#)).

- 1.1.2 You will receive multiple verification/confirmation emails after the form is submitted.

IMPORTANT: The first email is an Email Verification Request that contains a link to verify your email address. This link MUST be clicked within 30 minutes of receiving the email.

The second email will be a confirmation that your email address is verified.

The third email will be a confirmation that your account is approved and you may now log in.

- 1.1.3 If you do not receive the verification or confirmation emails or encounter other problems, please contact smart_support@rexnord.com for assistance.

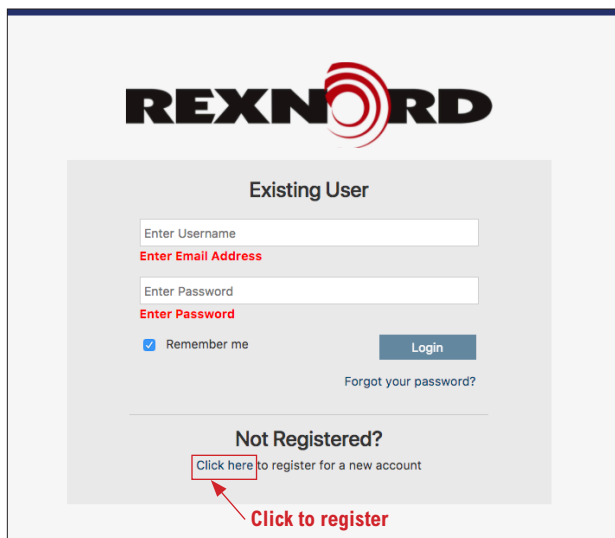
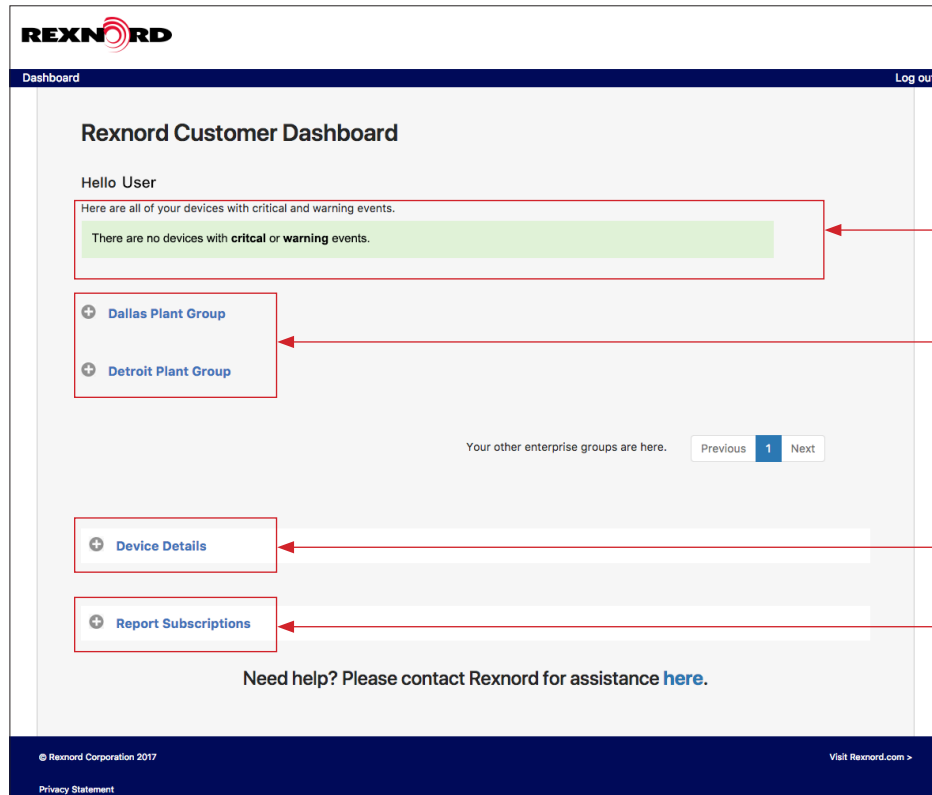


Fig. 1a — Log-in Page

Fig. 1b — Registration Form

1.2 CUSTOMER DASHBOARD

Once logged in, you will see the **Rexnord Customer Dashboard** page (Fig. 2a and 2b). This page displays your Device Status, Device Details and your Enterprise Group details. You can easily manage your device Report Subscriptions from this page as well.



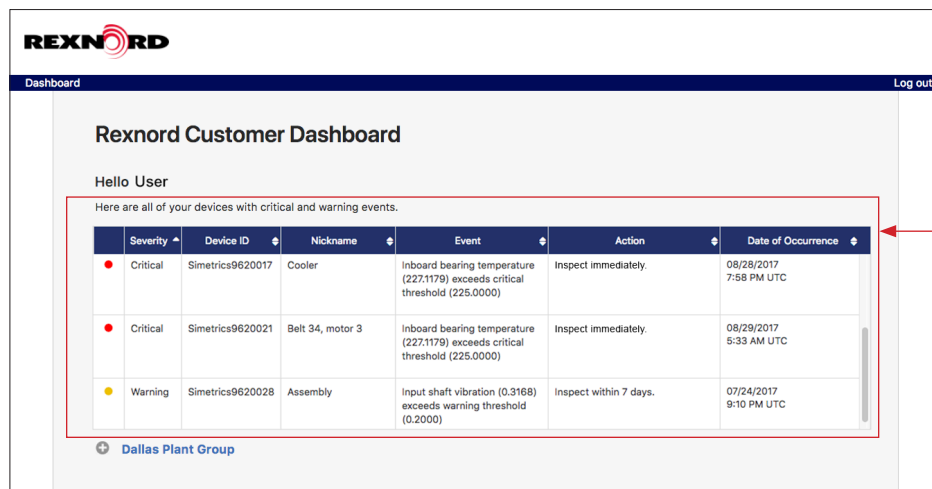
Device Status: Displays any critical and warning events for devices. In this case, there are no events.

Enterprise Groups: Expand to see devices in each group.

Device Details: Expand to reveal list, then click on a device from the list to view all of the data for that device.

Report Subscriptions: Have reports sent to you weekly on any or all device data.

Fig. 2a — Example: Rexnord Customer Dashboard – with no critical or warning events



Device Status: Displays any critical and warning events for devices. In this case, there are several critical events that should be addressed immediately.

Fig. 2b — Example: Rexnord Customer Dashboard – showing critical and warning events

2. DASHBOARD GROUP AND DEVICE DETAILS

On the **Rexnord Customer Dashboard** page ([Fig. 2a](#)), you can view overviews of each **Enterprise Group** and **Device**.

Enterprise User — Registered users of the Rexnord IIoT Portal that are assigned to Enterprise Groups by an administrator to monitor Devices.

Enterprise Group — A collection of registered users and devices assigned to a location that is utilizing the Rexnord IIoT system. An administrator will create the group and assign all users and devices.

Device — IIoT-enabled Rexnord product.

2.1 ENTERPRISE GROUP OVERVIEW

Each Enterprise Group will be listed with a plus symbol next to it. Click the plus symbol to reveal the Group Device Status table showing all devices in the Enterprise Group, their status, necessary actions and the date of occurrence ([see Fig. 3](#)).

2.1.1 Status and severity warnings are color-coded. [See Table 1](#) at the end of this document for full list of thresholds and events.

IMPORTANT: Warnings and Critical Events DO NOT clear until the problem has been fixed.

Expanded Enterprise Group

Group Device Status: Displays status for all devices in the Enterprise Group.

Severity	Device ID	Nickname	Action	Event	Date of Occurrence
Critical	Simetrics9620018	Belt 1	Inspect immediately.	Inboard bearing temperature (227.1179) exceeds critical threshold (225.0000)	08/28/2017 7:58 PM UTC
Warning	Simetrics9620028	Assembly	Inspect within 7 days.	Input shaft vibration (0.3168) exceeds warning threshold (0.2000)	07/24/2017 9:10 PM UTC
	Simetrics9620016	Boiler		No Active Event	
	Simetrics9620017	Cooler		No Active Event	

Your other enterprise groups are here. Previous 1 Next

Fig. 3 — Enterprise Group Overview

2.2 DEVICE DETAILS

Beneath the Enterprise Groups, you will find **Device Details** with plus symbol next to it. Click the plus symbol to reveal an overview of the selected device (see Fig. 4).

2.2.1 Select a device from the drop down menu, then check one of the detail options:

- **Oil Quality:** Latest readings on device oil health and quality.
- **Temperature:** Latest readings on ambient, inboard & outboard bearing, and sump temperatures
- **FFT-Output:** Latest readings on RPM and FFT output frequency
- **FFT-Input:** Latest readings on RPM and FFT input frequency
- **Amp Load:** Latest reading on amperage draw

You will see different data and charts depending on the detail option chosen, if available for that device.

NOTE: Data values are read every 15 minutes and show the value read at that exact timestamp.

2.2.2 Oil Quality, Temperature, FFT-Output and FFT-Input will also allow you to generate a 30-day report in .csv format by clicking the **Generate CSV Report** button.

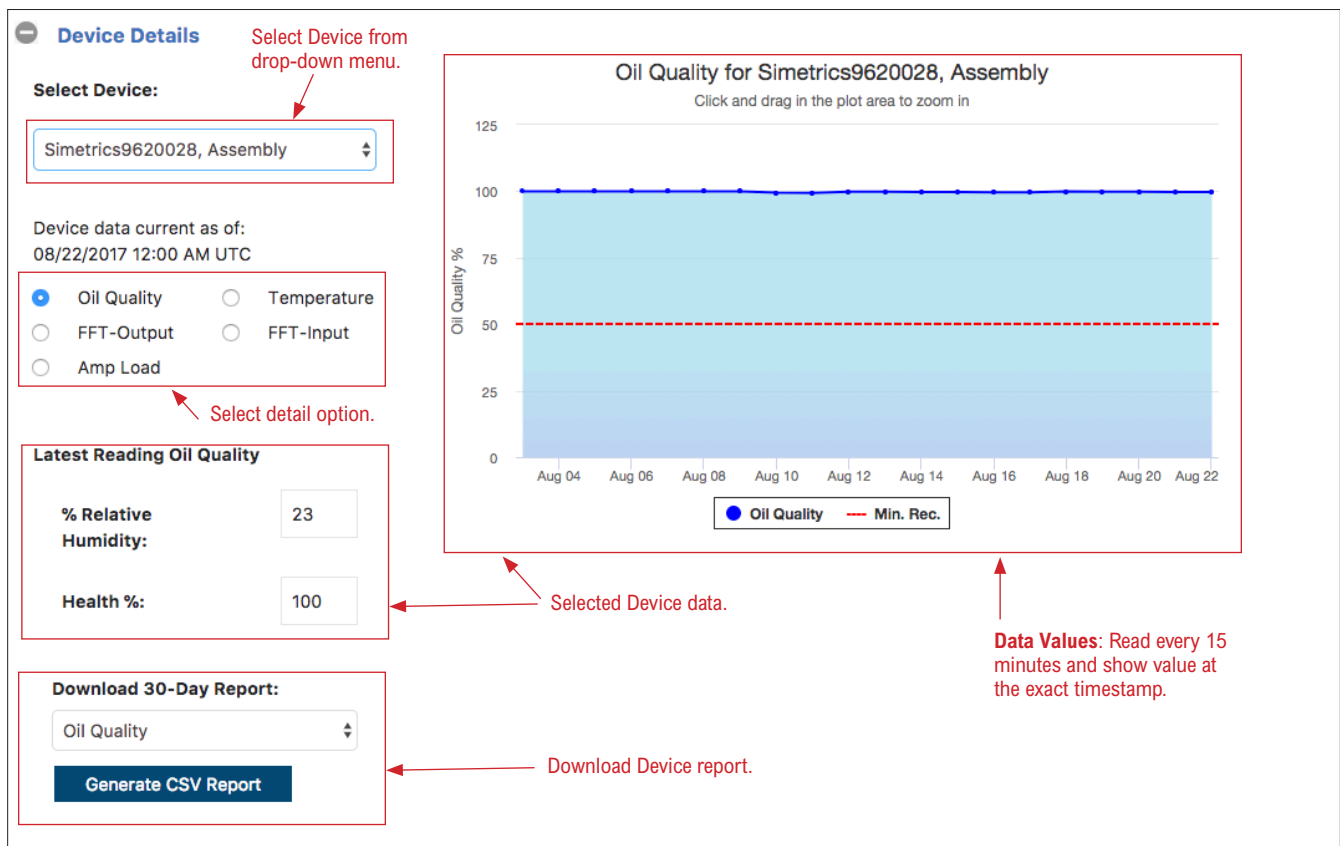


Fig. 4 — Device Detail – Example showing device Oil Quality

2.3 REPORT SUBSCRIPTIONS

Beneath the Device Details, you will see **Report Subscriptions** with a plus symbol next to it. Click the plus symbol to reveal 7-day report email options (see Fig. 5). Select your desired report(s) and click the **Submit** button. The report will be sent to your log-in email address.

Report Subscriptions

Select the desired 7-Day reports you would like to subscribe to (sent weekly every Monday):

Oil Quality Temperature

FFT-OB FFT-IB

Subscribe All

Unsubscribe All

Submit

Fig. 5 — Report Subscriptions

3. TROUBLESHOOTING

The bottom of each page has a link to contact Rexnord for assistance. Clicking it will open the contact for assistance box (See Fig. 6). Select your subject from the dropdown menu, enter text in the field and click **Send** to submit your request.

✓ -- please select a subject --

Technical Support

Portal Feedback

Products And Services

Other

Send Close

Fig. 6 — Contact Rexnord for Assistance



Table 1 — Event Thresholds for Edge Device

Sensor	Event Description	Recommended Action	Andon Light	Possible Causes for Red / Yellow conditions
Bearing Temperature	High speed inboard bearing temp above 210°F	Inspect within 7 days.	Yellow	<p>If equipped with shaft fan:</p> <ul style="list-style-type: none"> • Check that shaft fan airflow is unobstructed. • Check fan guard for debris build-up. • Check for damage to fan blades. <p>Check for anything that could be causing increased load on the input shaft:</p> <ul style="list-style-type: none"> • Input shaft coupling misalignment. • Excessive belt tension (if equipped). • Excessive overhung load.
	High speed inboard bearing temp above 225°F	Inspect immediately.	Red	
	High speed outboard bearing temp above 210°F	Inspect within 7 days.	Yellow	
	High speed outboard bearing temp above 225°F	Inspect immediately.	Red	
	High speed inboard bearing temp above 210°F and >50°F over sump temp.	Inspect within 7 days.	Yellow	
	High speed inboard bearing temp above 210°F and >50°F over sump temp.	Inspect immediately.	Red	
	High speed outboard bearing temp above 210°F and >50°F over sump temp.	Inspect within 7 days.	Yellow	
	High speed outboard bearing temp above 210°F and >50°F over sump temp.	Inspect immediately.	Red	
Oil Sump Temperature	Sump oil temp above 200°F	Inspect within 7 days.	Yellow	<ul style="list-style-type: none"> • If equipped with shaft fan, DuraPlate or external cooler - check for proper operation. • Check the load on the gearbox has not exceeded the thermal rating of the gearbox. • Check oil level and oil type are within factory specifications.
	Sump oil temp above 220°F	Inspect immediately.	Red	
High Speed (Input) Accelerometer	Overall vibration exceeded 0.2in/s near input shaft	Slight elevation - check FFT	Yellow	<ul style="list-style-type: none"> • Check coupling alignment on input and output shafts. • If equipped, check if torque arm is binding. • If foot mounted, check mounting condition for soft foot. • Check oil level is within specification. • Check application for vibration sources.
	Overall vibration exceeded 0.3in/s near input shaft	High vibration level - check FFT and diagnose	Red	
Low Speed (Output) Accelerometer	Overall vibration exceeded 0.2in/s near output shaft	Slight elevation - check FFT	Yellow	<ul style="list-style-type: none"> • Check application for vibration sources.
	Overall vibration exceeded 0.3in/s near output shaft	High vibration level - check FFT and diagnose	Red	
Oil Quality	Water saturation in oil high.	Sample oil to confirm condition.	Yellow	<ul style="list-style-type: none"> • Check dessicant element in breather. • Check gearbox for possible water intrusion points.
	Oil nearing end of useful life.	Sample oil to confirm condition.	Yellow	
	Metallic wear particles detected in oil.	Sample oil to confirm condition.	Yellow	<ul style="list-style-type: none"> • Check oil level and oil type are within factory specifications. • Check application for sources of excessive vibration.
	Metallic wear particles detected in oil.	Sample oil to confirm condition.	Yellow	