Quick Start Reference
8800 Series Overfill and Ground Protection Monitor

IMPORTANT: This Quick Start Reference is intended to provide an overview of features and functions of the 8800 Series Rack Monitors. Refer to the Installation and Operations Manuals included with each unit for detailed information.


Unboxing Your Rack Monitor

Inside each carton you will find the following items:

- ✓ Rack Monitor *(The image on the carton may not represent the actual monitor inside)*
- ✓ Installation Manual
- ✓ Operations Instructions
- ✓ QR Code to access to current product information and support.

The rack monitor face is attached with 2 bolts. Additional hardware and the bypass key are located inside the rack monitor body. With an Allen wrench, remove the bolts that secure the front. Remove the cover to retrieve two bags with additional bolts and the bypass key. After the rack monitor has been installed, power attached, and switches have been configured (see the Installation Manual for information), reinstall the face plate ensuring that all 14 bolts have been securely installed and tightened.

Additional Hardware and Bypass Key
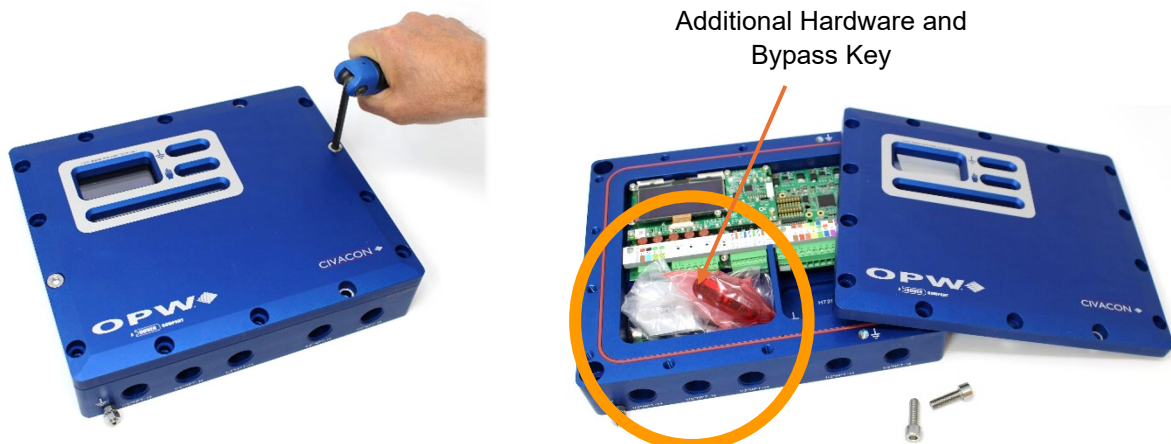
Copies of the Installation Instructions and Operator Manual are also contained inside the carton. Scan the QR code below to access current manuals and any additional support.


8870 OLED/LED Display Overview

Trucks in North America are wired differently based primarily on geography. The 8870 Rack Monitor recognizes the different wiring configurations, and the OLED display will adjust based on the signal it receives from the truck. Below are illustrations of what will be displayed based the rack monitor display as the truck is connected and filled:
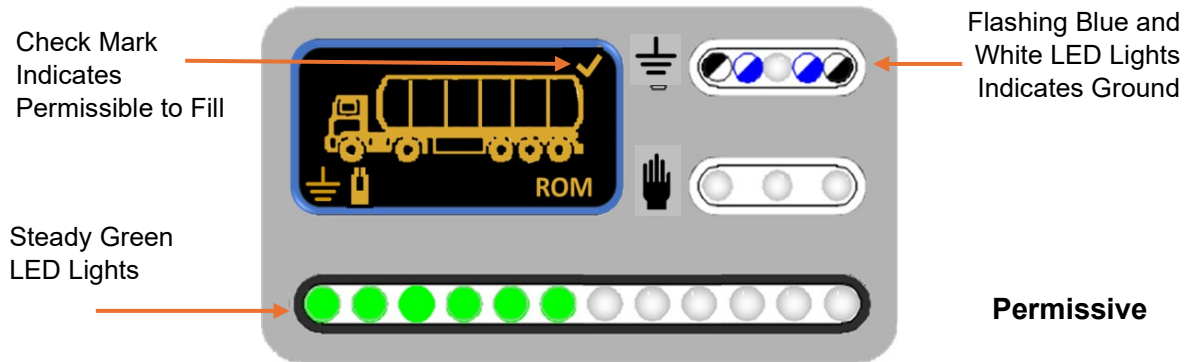
❶   When the 8870 Rack Monitor is powered-up and ready to be connected to the truck, the following graphic and LED lights will be displayed:
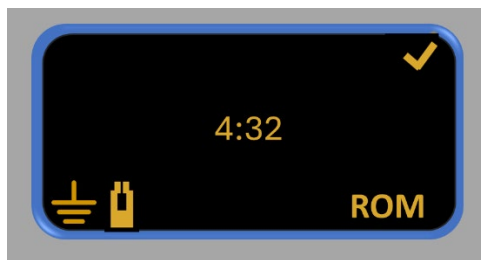

OPW Plug Graphic

Flashing Blue

Steady Red LED Lights

Ready to Connect
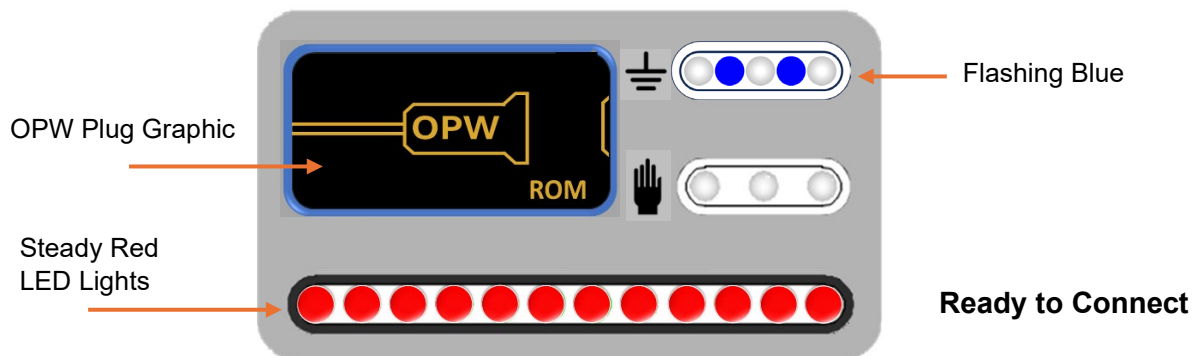
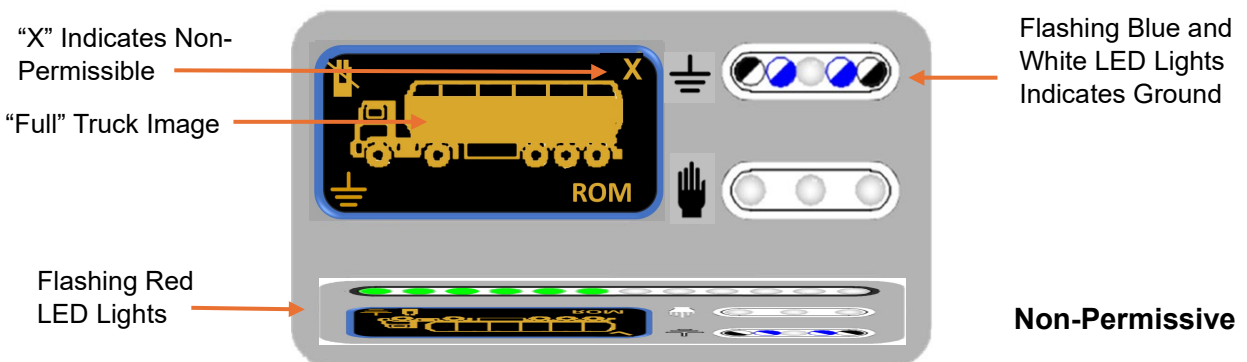❷   After a connection has been made with the truck, an image of a truck with the Civacon brand will appear:

❸ The Rack Monitor then checks to make sure the truck is grounded and sensors are ready. If a truck is permissible to fill, the following will be displayed (see below for variances in graphics and LED lights based on the truck wiring configuration).

Check Mark Indicates Permissible to Fill

Flashing Blue and White LED Lights Indicates Ground

Steady Green LED Lights

Permissive
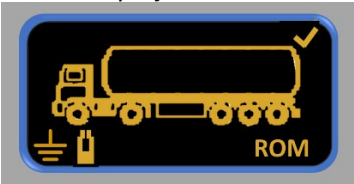
❹ After approximately 15 seconds of inactivity, the truck graphic will change to a timer that is tracking the time the truck has been connected to the monitor (this also prevents the truck graphic from being "burned" into the display). Note: The check mark in the upper right indicates that the truck is permissible to fill.

4:32

ROM

❺ If the monitor senses a wet sensor, the following will be displayed:

"X" Indicates Non-Permissible

"Full" Truck Image

Flashing Blue and White LED Lights Indicates Ground

Flashing Red LED Lights

Non-Permissive

OPW
ENGINEERED SYSTEMS
a DOVER company

Depending on the truck wiring configuration, the OLED graphic will vary. Below is a summary of the graphics and LED lights that are displayed in a "Permissible" and "Non-Permissible" condition:
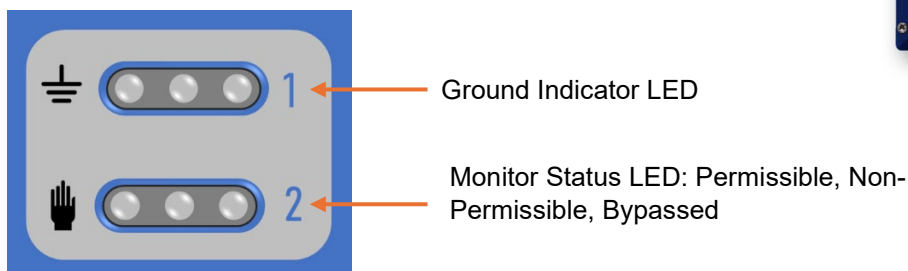
| Truck Wiring Configuration	Permissible	Non-Permissible
2 Wire Thermistor **Green Plug** *Note: In Canada, the display may show 8 compartments instead of 6*	OLED Display LED Display (Solid Green)	OLED Display LED Display (Flashing Red)
5 Wire Optic *With Onboard Monitor* **Blue Plug**	OLED Display OLED Display (Solid Green)	OLED Display LED Display (Flashing Red)
5 Wire Optic *No Onboard Monitor* **Blue Plug**	OLED Display OLED Display (Solid Green)	OLED Display LED Display (Flashing Red)

8851N LED Display Overview

The 8851 is a 5-Wire Optic overfill and ground monitor. Unlike the 8870, the LED indicator lights remain consistent regardless of the wiring configuration. The display layout is as follows:

Ground Indicator LED

Monitor Status LED: Permissible, Non-Permissible, Bypassed

OPW ENGINEERED SYSTEMS
a ·DOVER· company

Following is a summary the LED lights for the 8851N Rack Monitor status based current status:

❶ When the 8851N Rack Monitor is powered-up and ready to be connected to the truck, the Display 1 will flash blue and Display 2 will be a solid red

Flashing Blue

Ready to Connect

Solid Red
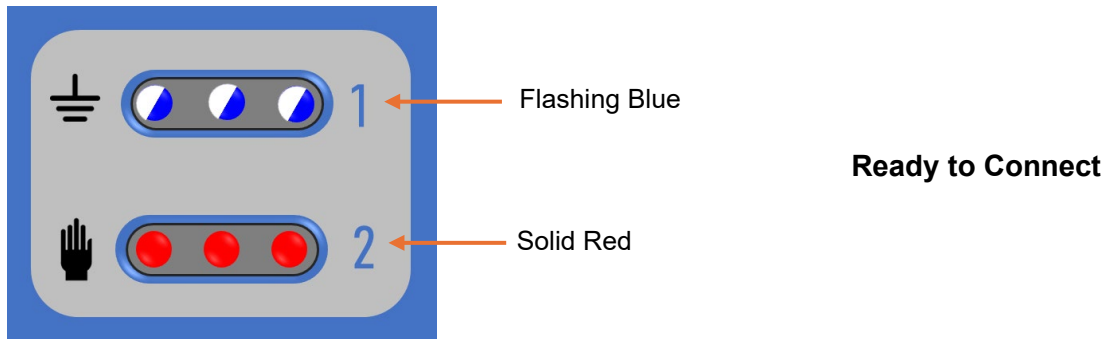
❷ After a connection has been made, Display 1 will flash white and Display 2 will flash green indicating that the truck is grounded and "permissive" to fill
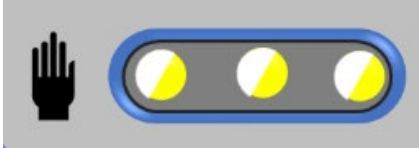

Flashing White

Permissive

Flashing Green
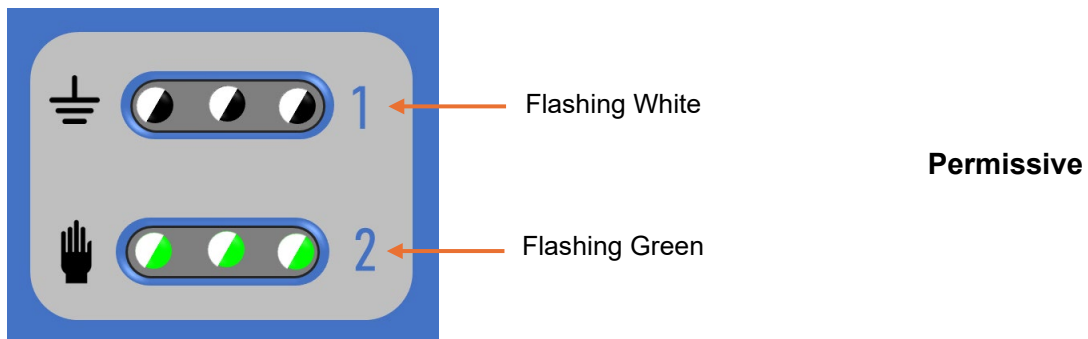
❸ If the rack monitor senses a wet probe, the display will change to the following: the Display 1 will flash blue and Display 2 will be a solid red

Flashing White

Non-Permissive

Flashing Red

OPW
ENGINEERED SYSTEMS
a DOVER company
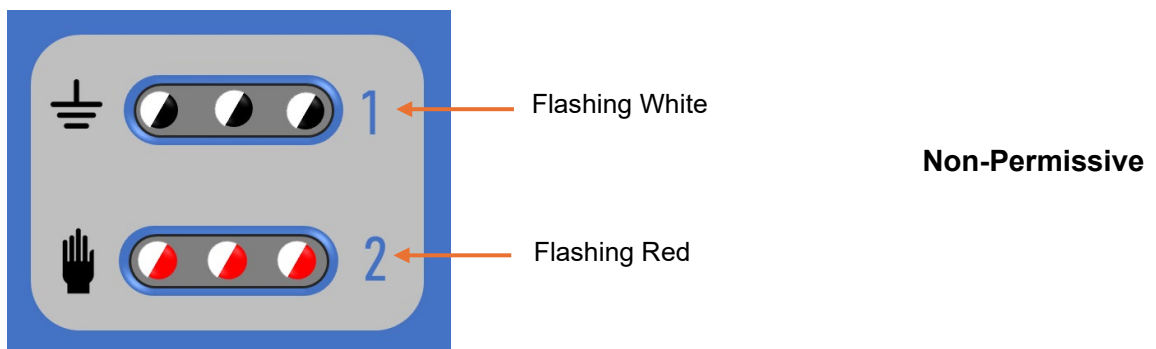
Bypass Key Instructions

Although it is **NOT recommended**, the 8800 Series Rack Monitors can be bypassed in a faulty or wet sensor condition. Following is a brief overview of how to bypass both the 8870 and 8851N. Please refer to the Operations Manual for full details.

8870 Rack Monitor		8851N Rack Monitor	
	A Red Bypass Key is shipped with each rack monitor unit. Please see unpacking instructions above for details.		
	Place the Red Bypass Key over the middle Bypass Window until the yellow bypass LED lights appear indicating that it is permissible to fill		Place the Red Bypass Key over Bypass Window 2 until the green LED lights appear indicating that it is permissible to fill
When a rack monitor is in bypass mode, yellow LED lights will appear next to the "Hand" icon **IMPORTANT: Once the plug has been disconnected, the rack monitor will reset back to normal operation**			

Technical Support

Our team is here to help with any questions regarding the 8870 or 8851N Rack Monitors. Technical Support can be reached at **800-524-8226**