

HOW CHEKVOLT® UPGRADES SAFETY REDUNDANCY FOR R-3W USERS

APPLICATION NOTE

At Grace Technologies, we are committed to enhancing your electrical safety program and making maintenance procedures safer, smarter, and more productive. As part of our ongoing efforts, we are excited to introduce the ChekVolt®, a groundbreaking solution that offers enhanced safety and redundancy for your existing R-3W Series voltage indicators.



This application note will guide you through the benefits and options available when integrating the ChekVolt® with your existing R-3W Series voltage indicators. Whether you are looking to replace your existing R-3W or add redundancy for the ultimate safety check, ChekVolt® is the solution you've been waiting for.

OPTION 1: QUICK REPLACEMENT FOR ENHANCED SAFETY

Fast Installation

One of the key advantages of the ChekVolt® is its quick and hassle-free installation. If you currently have an R-3W Series voltage indicator installed and wish to upgrade, ChekVolt® can replace your existing R-3W in the same sized knockout. Installation is typically completed in under one hour, making the transition to ChekVolt® both seamless and efficient.

Installation Steps

Always refer to our installation guides when installing our products, but to quickly summarize replacing an R-3W Series voltage indicator with a ChekVolt®:

1. Disconnect and remove the existing R-3W from the 30mm knockout.
2. Connect the lead wires from ChekVolt® to the line or load side.
3. Secure ChekVolt in place.
4. You're done!

High-Impedance Protected Test Points

By upgrading to ChekVolt®, you enhance your electrical safety procedures by adding high-impedance protected test points. These test points enable absence of voltage testing to be

performed with an adequately rated test instrument; a critical step in ensuring an electrically safe work condition. ChekVolt® provides a reliable solution that aligns with NFPA 70E and CSA Z462 compliance requirements.

OPTION 2: REDUNDANCY FOR ULTIMATE SAFETY

• **Compliance and Importance:** For customers who prioritize redundancy and compliance with safety standards, integrating ChekVolt® with your existing R-3W is an excellent choice. ChekVolt® can be wired to the load side while your R-3W is connected to the line side, offering an extra layer of safety.

• **Double Verification:** With this setup, you benefit from double verification of voltage presence and absence. ChekVolt® on the load side and your existing R-3W on the line side work together to provide an extra safety check, reducing uncertainty and ensuring that electrical equipment is truly de-energized before maintenance or service activities.

• **Efficient and Budget-Friendly:** This solution offers efficiency and aids in budget requests without the need to discard your existing R-3W units. It maximizes the value of your equipment while significantly enhancing safety. Customers have reported installations in just 40 minutes.

• **Detailed Indicators:** Both ChekVolt® and R-3W come equipped with indicators that provide insights into your electrical system's status. They can detect phase imbalances, loss of phases, and more, ensuring you have comprehensive information at your fingertips.

Conclusion

Incorporating ChekVolt® into your electrical safety program is a proactive step towards ensuring the safety of your personnel and equipment. Whether you choose to replace your existing R-3W or implement redundancy, ChekVolt® is the cost-effective, efficient, and compliant solution you've been searching for.