Non-Contact Voltage Portal
Product Data Sheet

The ChekVolt®, a non-contact voltage portal, reduces arc flash risk while increasing electrical safety and productivity by providing maintenance personnel a no-touch voltage portal on the outside of grounded metallic electrical enclosures. The ChekVolt® interface, installed on an electrical panel, allows maintenance people to use any non-contact voltage detector pen to check line voltage before and after they open the main disconnect. The ability to preverify electrical isolation before opening a panel puts an additional safety measure between electricians and hazardous voltage. The standard yellow name labels (as seen on back) help remind personnel to pre-verify every voltage point before accessing the panel interior.

**Features**

- Integral 6’ lead wire
- Installs in a ½” hole for easy installation
- Rugged polycarbonate construction for safety
- UV outdoor rated so you can mount it anywhere
- Cost less than $15 per point

**Installation Instructions:**

1. A ChekVolt® interface is designed to be installed into a securely grounded metallic electrical enclosure within 6 feet of a voltage source as per state and local codes.
2. After the ChekVolt® interface has been located, drill a ½”(13mm) hole, and install ChekVolt® into the hole. Tighten the threaded nut until the gasket has compressed approximately 80%. The ChekVolt® interface is suitable for mounting the flat surface of a Type 4, 4X and/or 12 enclosures.
3. For nameplate installations, remove the adhesive backing, and affix the nameplate to the enclosure. Use the nameplate locator tabs to center the drill. Secure nameplate in the corners with a #4 self tapping screw or type U drive screw. Once completed, break off the locator tab and install ChekVolt® as per step #2.
4. Securely terminate the lead wire to the voltage source.

**Operating instructions:**

1. Verify proper operation of Non-Contact Voltage Detector (NCVD). With the Isolator closed and the electrical panel powered, verify the NCVD indicates voltage when completely inserted into the bottom of the recessed area of the ChekVolt® interface (figure 1). If the NCVD does not indicate voltage, then proceed with Lock-out Tagout (LOTO) procedure as per NFPA 70E Annex G or other approved procedure.
2. Open the isolator, insert the NCVD individually into the indent of each installed interface (one for each phase). If the phases have been isolated, then the NCVD should not sense voltage on each interface and the panel has been pre-verified. From here on follow approved electrical LOTO procedure.

**Voltage Rating:** 1000V

**Temperature Rating:** -20 to 60°C

**Altitude:** up to 2000M

**Pollution:** Degree 2

**Flame Rating:** V-2

**UL Listed Device**

**UL Type 4, 4X, 12 Ratings**

**Material:** UV Rated Polycarbonate

**Integral 6’ lead wire**

**Installs in a ½” hole for easy installation**

**Rugged polycarbonate construction for safety**

**UV outdoor rated so you can mount it anywhere**

**Cost less than $15 per point**

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Promote Electrical Safety and INCREASE Productivity!

Electrical safety demands we know the correct answer to one question: Is there voltage? Since a wrong answer can have life-threatening consequences, like arc flash, for example - many companies spend time and money making sure they can answer that important question with unerring certainty.

When the NFPA published their Standard for Electrical Safety in the Workplace in the year 2000, that document generated essential changes in the way both electrical and mechanical maintenance is performed in today's industrial and commercial facilities. There is no doubt these changes are positive because injuries and deaths caused by electrical accidents have been significantly reduced. Yet, as with any new regulation, employee productivity has been adversely affected because of the Standard and some in the industry are asking an important question. Can we retain the reduction in injuries and deaths we witnessed because of NFPA 70e while regaining the level of productivity we experienced prior to NFPA 70e? The answer is yes.

As one paper mill in Arkansas discovered, pre-verifying electrical isolation is an excellent way to safely have your cake and eat it too. In an effort to boost employee safety during their Lock-out Tag-out procedures (LOTO), the paper mill ordered several ChekVolt® Non-Contact Voltage Portals from their local electrical distributor. When installed in the door of an electrical panel, ChekVolt® provides their maintenance personnel a no-touch voltage portal on the outside of a grounded metallic electrical enclosure. The ChekVolt® interface allows for

DANGER VOLTAGE PRE-TEST POINTS

R-1A003 - Package of (3) ChekVolt® R-1A Interfaces

NEW

R-1A003W-NPLPH

R-1A003W-NPLPH: For additional safety, use ChekVolt® (R-1A) with VoltageVision® (R-3W). Our VoltageVision® monitors 3-phases (phase-to-phase and phase-to-ground), and both AC and DC voltage. These products can be ordered together (as seen here) or separately. This kit includes the nameplate, three ChekVolt® portals and one VoltageVision®.

Don't Forget Your Labels!

R-LPA-L003* - Single-Point Adhesive Label (3.0 in. x 3.0 in.)
R-LPH-L003* - Three-Point Adhesive Label (6.0 in. x 3.0 in.)

*Sold in packages of three

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