

KNOCKOUT VOLTAGE TEST STATION KIT INSTALLATION GUIDE

INSTALLATION

The H-Series Voltage Test Station is to be mounted onto the flat surface of the enclosure. Installation should be performed by a qualified technician and adhere to applicable safety and regulatory codes. These housing products and installation instructions have been reviewed and certified through UL. Please refer to the product-specific literature for additional specs including UL Type and Ingress Protection ratings. *Note: Ingress protection by definition is to prevent liquid and dust from entering an enclosure; the rating does not apply to protection from liquid egress from within the enclosure. Do not install where liquid may accumulate inside an enclosure.*

All installations: (Disconnect the Main Power Supply prior to installation.)

- 1) Place the cutting template in the desired location on the enclosure.
- 2) Cut the two 30mm openings and the four housing mounting holes and connect the device leads to the voltage source according to documentation provided with R-3MT and R-3W Series Installation Sheets.
- 3) Place the housing with the faceplate and gasket over the two installed units and secure it with screws.

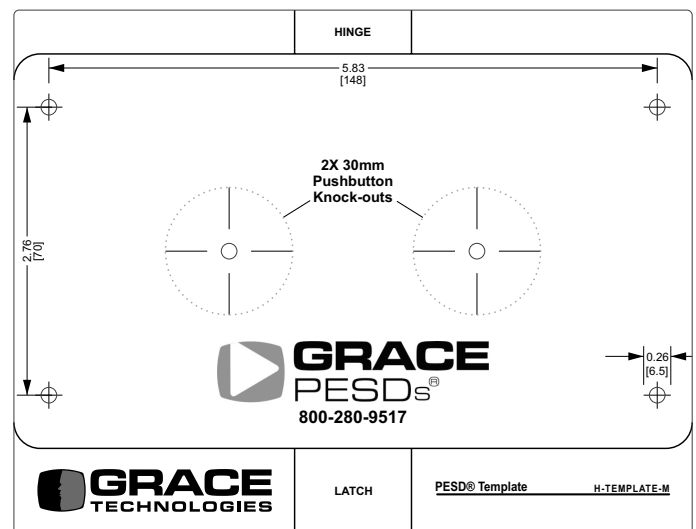
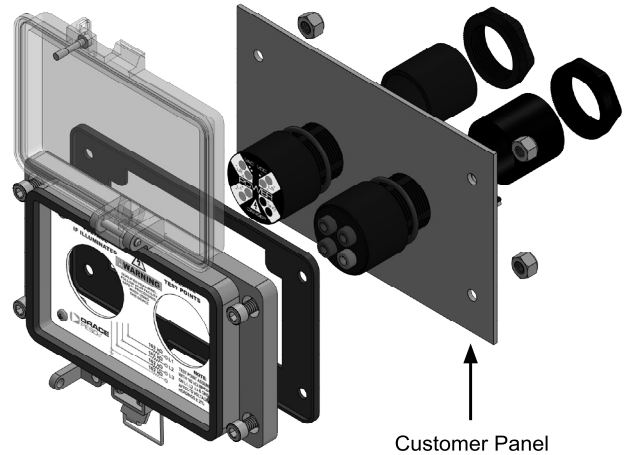
VTS OPERATION SAMPLE PROCEDURE

- 1) Verify the test instrument is calibrated and properly rated for application.
- 2) Verify the test instrument to a known voltage source.
- 3) Verify there is voltage illumination on the voltage indicator.
- 4) Open the housing cover and insert the test instrument probes into the test point and measure the voltage between phase to phase and phase to ground to verify voltage presence.
- 5) Open Isolator.
- 6) Verify there is no LED illumination on the voltage indicator.
- 7) Re-insert the Test Instrument probes into the test point and measure the voltage between phase to phase and phase to ground to verify voltage absence.
- 8) Re-verify test Instrument to a known voltage source.
- 9) Upon completion of work, close the housing on the test point, close isolator, and verify proper operation of voltage indicator and test points.

Note: The voltage measurement accuracy of the test point is - 2% and test instrument will read small mV due to the high impedance circuit in the test point.

MECHANICAL SPECIFICATIONS

Housing: Cast aluminum base
 Latch: Type 304 Stainless Steel (1CR18NI19)
 Cover: Polycarbonate, UV rated, V-O Flame rated
 Insert Material: Acrylic UL94HB
 Approvals: UL Listed E488493, IP65



Detail of Enclosed Mounting Template

Click here or scan the QR Code to the right to view the installation video.



Warning: Verify an electrical conductor has been de-energized using an adequately rated test instrument before working on it. Follow appropriate Energy Control (Lockout/Tagout) procedures as per OSHA Subpart S. © Grace Technologies, Inc. All rights reserved. Specifications are subject to change with/without notice.

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