Grace Voltage Indicators are Permanent Electrical Safety Devices (PESDs) that visually represent presence of voltage with flashing or non-flashing redundant LED lights.

Typically hardwired to the load side of a disconnect switch on a MCC bucket or a Variable Frequency Drive, Voltage Indicators illuminate whenever hazardous voltage or stored energy is present in the system.

R-3W Series Voltage Indicators are suitable for both AC and DC applications from 40-600VAC and 30-1000VDC is a one-size-fits-all solution that detects 3-phase AC/DC voltage.

Safely and productively visualizes zero energy presence and enhances compliance to OSHA & NFPA 70E/CSA Z462, when installed and verified by a qualified electrician and incorporated into the facility’s electrical safety procedure.

FOR MORE INFORMATION VISIT PESD.COM OR CALL 1.800.280.9517
R-3W SERIES DOOR CUTOUT FOR MOUNTING

R-3W SERIES Wiring Configurations

AC APPLICATIONS

THREE PHASE DELTA, 3W + GND

UNGROUNDED OR HIGH RESISTANCE GROUNDED WYE

SINGLE PHASE, 3W + GND

WIRE IDENTIFICATION

Looking for a 5-wire option? Contact your local Sales Representative for more details.

Questions & Answers

1. If wires were exchanged, could the unit sustain internal damage?

2. What if one of the LEDs fails to operate?

3. How much current could flow for any internal single point failure?

For More Information Visit PESD.com or Call 1.800.280.9517

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 V.

Speciﬁcations are subject to change without notice.

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pass through 2 LED indicator pairs to complete a unbalance or phase loss condition. Current must indicator LED pair to illuminate only during an

For isolated 3-phase systems, it is normal for the of respective mounting tabs (hardware included).

GROUND OR ISOLATED

THREE PHASE DELTA, 3W  +  GND

Figure 1

Note: Vertical or side mount requires snap-in installation of respective mounting tabs (hardware included).

Safety SW.

Warning:

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Maximum Power Consumption:

- 1.2 Watts @ 750V          (Approximately)

Operational Range:

- AC Single or 3-P: 120V (2.6), 240V (3.3), 480V (3.7), for @ 60Hz

Detection Thresholds:

- 20-600V** 50/60Hz; Operates to 400 Hz

Voltage Indicator, Red LEDs, Optical Cable Indication with Length “XX” inches of bundled cable in FR mesh sleeve

Medium Voltage Indicator assist the qualified personnel to visually verify the presence of voltage inside a MV cabinet. The indicator directly bolts on to the main busbar using a 1/2” ring style connector and uses capacitive coupling between the device and ground for completing the flashing circuit without a hardwired connection. The flash rate and the intensity of the indicator’s LED is determined by the line voltage, distance to the adjoining phases, and distance of the ground plane. Flash rates of the indicators are optimized to alert at least once in every 3 seconds.*

 Disclaimer: It is recommended that an installed medium voltage indicator flashes at least 20 times per minute. If the flash rate is less than 20 times per minute, do not use the product in this application.

For more information visit: PESD.COM or call: 1.800.280.9517

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.

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