

Thru-Door Voltage Indicator

Multi-Environment

CAT III/IV* - Hazardous Area

Product Data Sheet

Catalog Number
R-3W2

Class I Division 2

One-Size-Fits-All

The R-3W2 SafeSide® thru-door voltage indicator provides electrical safety information while the panel doors are safely closed. A "one-size-fits-all" SafeSide® voltage indicator works on any voltage (40-750VAC/30-1000VDC), in any location on your power system (CAT IV*), and can be installed into most industrial environments. The encapsulated construction, redundant circuit design, and CAT IV* rating means rugged reliability.

Safer Lock-Out Tag-Out (LOTO)

Keeping personnel away from live voltage is foundational to electrical safety. Electrical safety demands a precise answer to the question 'Is voltage present?'. Thru-door voltage indicators provide visibility of voltage from outside the enclosure without exposing personnel to voltage.

More Productivity in Mechanical LOTO

Workers performing mechanical LOTO must isolate electrical energy. An externally-mounted voltage detector provides a means to check voltage inside an electrical panel. Without a voltage indicator, a mechanic performing mechanical LOTO would be required to work in tandem with an electrician using a voltmeter to physically verify voltage inside an electrical panel. In this case, the electrician is exposed to voltage. With SafeSide® Thru-door voltage indicators, the mechanic can verify zero electrical energy without any exposure to voltage.

Reduced Voltage Exposure and Arc Flash Risk

Voltage is the common denominator in an electrical accident or an arc flash; no voltage means no accident, no arc flash. While performing electrical LOTO with a SafeSide® thru-door voltage indicator installed, the electrician can pre-check the internal voltage state without opening the enclosure. Next, the electrician should replicate a zero voltage reading with his voltmeter as per NFPA 70e 120.1(5). This low-cost, redundant voltage-verification task reduces arc flash risk and increases electrical safety for workers.

Warning: Verify an electrical conductor has been de-energized using an adequately rated voltage detector before working on it. Follow appropriate Energy Control (Lockout/Tagout) procedures as per OSHA Subpart S; the current edition of NFPA 70E; and the current edition of CSA Z462.

Voltage Indicator for Any Location¹

R-3W2 Features:

- 40-750VAC / 30-1000VDC
- UL Hazardous Location (Class 1 Division 2 Group A, B, C & D)
- CAT III/IV* Electrical Rating
- UL Type 4X, 12, 13
- Potted Construction with 6' Lead

Other Benefits:

- Stored Energy Detector (120.1(6))**
- Visible Blades Disconnect (120.1(3))**
- Permanent Devices is Less Prone to Damage
- Voltage Source Labels (120.2(F)(1)(a))**



**NFPA 70E 2009 Edition

* CAT III 1000V
CAT IV 600V
DC or AC-rms to Ground
(Peak Impulse Transient 8000V
20 repetitions, 2 ohm source)



CE
UL TYPE 4X
TYPE 12
TYPE 13
UL LISTED
IND. CONT. EQ.
HAZ. LOC. 42RV
46RD

RoHS



Three Phase 40-750VAC/30-1000VDC UL-Listed Voltage Indicator for Type 4X/12/13 with 30mm Mounting

R-3W2	Hazardous Duty/Multi-Location Voltage Indicator (Suitable for use in Class 1, Division 2 (Zone 2), Groups A, B, C, D hazardous Location, or Non-Hazardous Locations Only)
R-3W2-KB²	Flush Mount Assembly with Bezel and R-3W2 (UL)
R-3W-L	Adhesive-Backed Warning Label (slips over installed R-3W2)
R-3W2-KB-L	Adhesive-Backed Warning Label (slips over installed R-3W2-KB)

Accessories

Door Mount #10NTW Conduit Wire Protection and Isolation Adaptor Kit

R-3W-DR-C3	3Ft #10 NTW Conduit
R-3W-DR-C4	4Ft #10 NTW Conduit
R-3W-DR-C6	5Ft #10 NTW Conduit

R-3W-DIN	Internal Panel Mount DIN Rail Mounting Bracket
R-3W-NPT125	30mm to 1 1/4" R-3W Conduit/Adapter

- (1) The R-3W2 environmental ratings cover most industrial applications.
(2) Must be purchase as an assembly for UL Listing - Bezel is not sold separately.

