



R-3D2 SERIES VOLTAGE INDICATOR TRUTH TABLE TECHNICAL NOTE

5-WIRE VOLTAGE INDICATOR TRUTH TABLE

Condition	L1	L2	L3	N	GND
Color	Red	Red	Red	Amber	Amber
Normal: with or without Grounded N*	●	●	●	⊗	⊗
Normal: ∅-Gnd Leakage with Isolated Ground	●	●	●	⊗	●
Normal: ∅-Gnd Leakage with Grounded N*	●	●	●	●	●
∅ Loss: L2 Open with Isolated Ground	●	⊗	●	●	⊗
∅ Loss: L2 Open with Grounded N*	●	⊗	●	●	●
∅ Unbal: Isolated Ground	●	●	●	●	⊗
∅ Unbal: with Grounded N*	●	●	●	●	●
L1 to N Short: with Isolated Ground	●	●	●	●	⊗
L1 to N Short: with Grounded N*	●	●	●	●	●
L1 to GND short: with Isolated Ground	●	●	●	●	●
L1 to GND short: with Grounded N*	●	●	●	●	●

4-WIRE VOLTAGE INDICATOR TRUTH TABLE

Condition	L1	L2	L3	GND
Color	Red	Red	Red	Amber
Normal: Delta System with Isolated Ground	●	●	●	⊗
Normal with ∅ to Ground Leakage or Short	●	●	●	●
∅ Loss: L2 Open with Isolated Ground	●	⊗	●	⊗
∅ Unbal: Isolated Ground	●	●	●	⊗
Wye system with Grounded N <i>(Not typically recommended for use with 4-Wire. Recommend using 5-Wire where applicable)</i>				
L2 Loss: Wye System with Grounded N*	●	⊗	●	●
∅Unbal: Wye System with Grounded N*	●	●	●	●

On (illuminated)= ● Off=⊗ Phase=∅ *Grounded N= N (Neutral) directly grounded or with resistance ground