

Absence of Voltage Tester

Streamlining the Zero- Energy Check as per the NFPA 70E

Mehak Sajjad, EIT





Agenda

- Defining the need
- How AVT solves the problem
- How does it work?
- Closing Summary

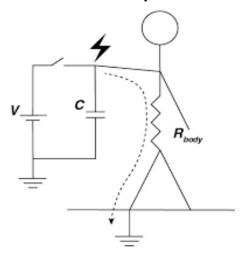


Shock Hazard Introduction

Electric Shock: Human body acts as a path for the electric current.

Electric Shock Hazard: The severity of the electric shock depends on the magnitude of the current

A severe electric shock sending current through the heart can arrest it or send it into a state known as fibrillation. DC current generally has a less severe affect as compared to AC.







Test Before Touch

- Consider all circuits as energized until tested
- Test every conductor to be touched
- Test instrument must be verified
- Test circuit again if job continuity is broken
- Testing must be done at each location where the conductors are going to be touched





Studies on common practices with voltage testers showed that over the period of five year [1]

- 18% facilities had a personal injury claim when using handheld voltage test instruments
- **37** % reported near misses of personal injury
- **12%** of facilities experienced interruptions to plant operations

Solution: Permanently mounted **ZERO ENERGY CHECK DEVICE** used to verify a circuit is deenergized prior to opening an electrical enclosure

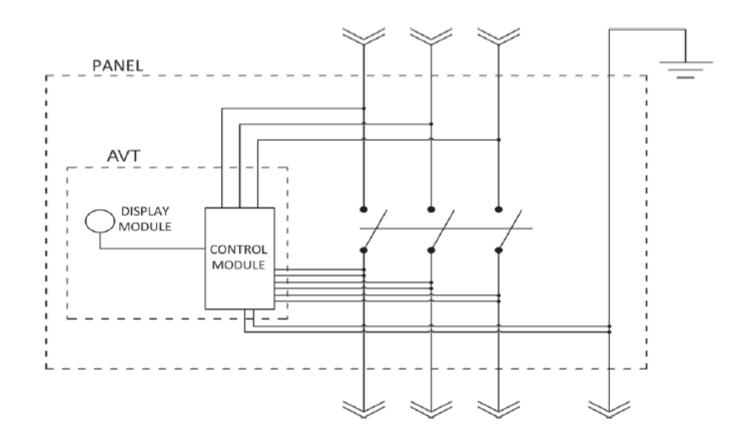


[1]Personnel Safety and Plant Reliability Considerations in the Selection and Use of Voltage Test Instruments," (*IEEE Transactions on Industry Applications*, Vol. 33, No. 2, March/April 1997), written by H. Landis Floyd II and Brian J. Nenninger.

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Absence of Voltage Tester





Absence of Voltage Tester

- Provides positive indication of Absence of Voltage
- Automates the voltage verification process
- Allows the qualified personnel to verify the absence of voltage before entering the panel
- Streamlines the zero-energy check process
- Provides Ground fault indication and loss of phase indication
 - >> Functionality Unique to I-Gard







Questions?





Contact Us

I-Gard Corp.

Head Office 7686 Bath Rd Mississauga, Ontario Canada L4T 1L2

Telephone 905-673-1553 Toll Free 1-888-737-4787

Fax 905-673-8472. E-mail: support@i-gard.com

Our business hours are Monday to Friday 9:00 a.m. to 5:00 p.m. Eastern Standard Time, if during those hours you are not able to call us, simply send us an e-mail or leave us a message.

The following members of our inside sales team will be pleased to assist you:

Mehak Sajjad, msajjad@i-gard.com