



INTERNATIONAL SAFETY SYSTEMS INC.

Your Source for Safety



DO YOU COMPLY WITH THE LATEST SAFETY STANDARDS?

ELECTRICAL ARC FLASH PROTECTION



Many Ontario employers are unaware of how the latest standards for Electrical Safe Work Practices impact their business. Once introduced, the ESA and Ontario MOL will be using CSA Z462 as the benchmark for safely working on electrical equipment. This new standard outlines the need to develop safe work procedures and protective clothing to be worn when working around live electricity along with many other important guidelines for developing your electrical safety program.

⚠ WARNING	
Arc Flash and Shock Hazard Appropriate PPE Required	
24 inch	Flash Hazard Boundary
3 cal/cm ²	Flash Hazard at 18 inches
100V	PPE Level, 1 Layer 6 oz Nomex®
	Leather Gloves, Faceshield
480VAC	Shock Hazard when Cover is removed
36 inch	Limited Approach
12 inch	Restricted Approach - 500 V Class
1 inch	Prohibited Approach - 500 V Class
Equipment Name: <u>240V Electrical</u>	



Employers are required by law to provide appropriate Personal Protective Equipment (PPE) for working with/around all electrical panels and equipment. Labels like the one above; electrically insulated and flame retardant clothing; as well as safe work permits, lockout equipment, and training are all important elements of a proper Electrical Safety Program.

Adequate PPE is determined by reviewing guidelines outlined in the CSA Z462 Hazard Category PPE

Classification tables (formerly NFPA 70 E) or by performing an Arc Flash Hazard Analysis.

Calculating electrical arc exposure potential may need to be part of your PPE evaluation. If clothing used by your employees does not meet minimum requirements, it could result in critical injury or fatality.



Contact us for more information or to arrange a free on site consultation

355 Harry Walker Pkwy. N, Unit 10
Newmarket, Ontario
L3Y 7B3

Tel: (905) 898-6906
Toll-Free: (877) DIAL-ISS
Fax: (905) 898-1597

sales@internationalsafety.com
www.internationalsafety.com