

## DELSAR AC HOTSTICK

### Purpose:

To ensure that district personnel are properly trained in the safe use of the Delsar AC Hotstick.

### Specifications:

The Delsar AC Hotstick can sense AC voltage with a frequency range <100 Hz. It does not detect DC voltage. Its sensitivity can be adjusted into one of three modes: High, Front Focused, and Low. The unit operates on 4 “AA” batteries and does a self-check upon activation.

### Uses of the Delsar Hotstick:

- A. The Delsar Hotstick is to only be used by trained personnel. Use, care, and maintenance of the device will be provided through initial training and re-certification on a yearly basis.
- B. The device is intended to be used for verifying that power has been shut down to any appliance, wire or structure. IT IS NOT intended to be used to determine if power has been shut down or a wire is dead.
- C. The Delsar Hotstick can be adjusted to sense in one of the following modes:
  1. High - for most sensitive reaction.
  2. Front focused – the need to focus on a specific source amid other sources of energy.
  3. Low – Can be used in higher ambient levels of electricity.
- D. The device reactivity is dependent on many factors including:
  1. The amount of AC voltage present.
  2. The physical size, length and height of the conductor.
  3. How well the wire is shielded or insulated.

### Operation:

In a safe environment turn the unit on to the position you desire (high, front focus, or low). Allow 10 seconds for the unit to verify it’s operation and battery strength. During the first three seconds, the unit performs a self-test and should emit a series of rapid beeps to indicate the unit is operating properly. Failure of the unit is indicated by no emitting of beeps and the unit should not be used. A weak battery signal is indicated by a continuous beep and should have the batteries replaced prior to use. A spare set of batteries shall be kept with the unit at all times. After the unit is on and ready, switch to high sensitivity and sweep the area that is being tested. If the unit detects “voltage”, it will beep. Try to

narrow down the source by use of the hotstick using the features. If there is a possibility of multiple sources, using the front focus will help to better determine the exact source(s).