

SEW

325 SVD

PERSONAL SAFETY VOLTAGE DETECTOR



INSTRUCTION MANUAL

INDEX	PAGE
INTRODUCTION	1
FEATURES	2
SPECIFICATION	3
METHOD OF USE	4
CLEANING & REPLACING BATTERY	5
CAUTIONS	6

INTRODUCTION

325 SVD is a sensor for sensing AC High Voltage. It provides electric engineering personnel, power engineering personnel, firefighting personnel and instrument equipment workers with prominent warning when approaching high voltage and for taking necessary safety action, preventing illusion and misjudgment which could lead to electric shock to person.

When a person wearing 325 SVD to approach high voltage source or equipment, the sensor will detect automatically and buzzer will generate a "BeBe" sound for warning and LED will flash to remind operators that the user is approaching a high voltage source and special attention shall be given to the safety of operations.

FEATURES

- Designed for detecting un-shielded cables. If the shielding of the cable is connected to the ground, it can't work.
- Compact, easy to wear and convenient in use.
- Designed for indoor and outdoor use.
- Water-proof design. (IP65)
- Equipped with self-testing functions.
- Able to sense all kinds of AC High Voltage System.
- Low power consumption.
- Meets : EN IEC 61326-1.
- Voltage detection chart:

Voltage	Detection Angle	Detection Distance
11kV (11kV phase to ground)	120°	120 cm ± 20%
22kV (22kV phase to ground)	120°	140 cm ± 20%
33kV (33kV phase to ground)	120°	160 cm ± 20%

SPECIFICATION

- Distance of starting warning : 120 cm for 11kV
- Applicable frequency : 50 / 60 Hz
- Volume : 70dB at 1 meter distance
- Operating Temp & Humidity :
0°C ~ 40°C 80% R.H. Max.
- Outside dimensions :
79(L) × 33(H) × 42(D) mm
- Weight : 42g (battery included)
- Battery to use : CR2032 × 1
- Battery life : 50 hours for continuous use
- Accessories
Instruction manual
Battery

METHOD OF USE

- Inspection before use
 - (1) Check the appearance and structure for any abnormality.
 - (2) Press Self-Test switch (about 3 seconds) to confirm all functions are working normally.
 - (3) To be careful and to avoid misjudgment, test the unit by contacting AC 110V insulated wire with its front side to see if it sounds and flashes.
- Wearing

Wear the unit on the outer side of the wrist with the sensing side facing outward, as shown in the following figure.

※ The effect is best when the sensing side is facing high voltage at right angles (90 degrees).

CLEANING & REPLACING BATTERY

1. Sensing side shall maintain clean. The case may be cleaned with soft fabric and mild detergent. No solvent or corrosive agent may be used.
2. Replacing battery
 - (1) When the sound become weak, the battery shall be replaced.
 - (2) Use coin to open battery cover and remove used battery. Place new battery into slot with the battery positive (+) face up and fasten battery cover with coin.

CAUTIONS

1. This instrument is an auxiliary testing unit and is only for obtaining warning as additional protection. Never use this instrument as substitution for Tester. Electrical Test shall be the prime electric testing instrument.
2. Other than affected by now you wear, the sensing and warning distance may be influenced by direction of electric article, ambient environment, shielding objects and weather conditions.
3. Buzzer has inner water-proof film. Do not pierce it with sharp article.
4. Do not store this instrument outdoor or inside of car for long time to avoid direct sunbeam and high temperature.
5. The instrument shall not be dropped or impacted heavily. If such situation does happen, perform inspection and self-test to ensure no damage occurred before using again.
6. If the instrument is rinsed by rain, remove battery and place it at cool place for natural dry.