KUSAM-MECO®
An ISO 9001:2008 Company

PERSONAL SAFETY H. V. DETECTOR

Model 286 SVD

286 SVD is a sensor for sensing AC High Voltage for personal safety. 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 an individual.

When a person wearing 286 SVD is approaching high voltage source or equipment, the sensor will detect automatically and buzzer will generate a "Bi-Bi" short sound for warning and LED will give flash light to remind operators that the user is approaching a high voltage and special attention shall be given to the safety of operations.

SPECIAL FEATURES :

- Compact, easy to wear and convenient in use.
- Usable both indoor and outdoor.
- Water-proof design.
- Equipped with self-testing functions.
- Sound and flash light warning of different frequencies varied positively with sensed voltages.
- Able to sense all kinds of AC High Voltage System.
- Low power consumption.
- CE Certified.

GENERAL SPECIFICATIONS :

- **Distance of starting warning :** 80cm for 11.4KV (6.6KV voltage to earth)
- **Min. Sensing Voltage :** 1.1KV
- **Applicable Frequency :** 50/60Hz
- **Volume :** 70dB or higher at 1 meter distance
- **Operating Temperature & Humidity :** 5°C ~ 45°C / 80% R.H.
- **Battery life :** 50 hours for continuous use.
- **Battery :** CR2032
- **Outside dimensions :** 59(L) x 56(W) x 18(H) mm
- **Weight :** Approx. 35g.(including Battery)

ACCESSORIES :

Elastic cord, Band, Bracket, Instruction manual & Battery.

METHOD OF USE

- **Inspection before use**

(1) Check the appearance and structure for any abnormality.
(2) Press Self-Test switch (about 10 seconds) to confirm all functions are working normally.
(3) To be careful and to avoid misjudgement, test the unit by contacting AC 110V / 230V insulated wire with its front side to see if it sounds and flashes.

- **Wearing**

Wear the unit to the outer side of fore arm with the sensing side faces outwardly, as shown in the figure :
The effect is best when the sensing side is facing high voltage in right angle (90Deg.). When it is worn at the inner side of arm or is covered by cloth, the sensitivity is poorer.

All Specifications are subject to change without prior notice

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