

## **IS 302-2-76 : 1999 SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES**

### **PART 2 PARTICULAR REQUIREMENTS**

#### **Section 76 Electric Fence Energizers**

An electric fence used for safety in agriculture and security from feral animals, is a barrier that uses electric shocks to deter people and other animals from crossing a boundary. The voltage of the shock may have effects ranging from discomfort to death.

Hence Energizer for electric fence is used to convert battery or mains power into electrical current pulses which are sent down the fence and ensure that the voltage supply to the fence is adequate (not too high and not too low) and to make the fencing safer overall.

This standard for Electric Fence Energizers is first published in 1999 to covers the general and safety requirements for the energizers of rated voltage not more than 250 V. This standard is to be read in conjunction with IS 302-1 (1979) 'Safety of household and similar, electrical appliances: Part I General requirements.

Energizer are categorized in two types

- a) Mains Operated Energizer: - Energizer designed for direct connection to the mains.
- b) Battery-Operated Energizer Suitable for Connection to the Mains:- these are further categorized in Four types, Type A,B,C and D Energizers.