Superior protection for arresters and wildlife

Interference from wildlife is one of the leading causes of service interruptions for utilities worldwide. One issue, specific to arrester applications, occurs when animals on a grounded surface come in contact with energized areas of the arrester. In many instances the result is a costly power outage, a reduction in system reliability, and a wildlife tragedy.

In order to help minimize wildlife related outages, Eaton offers both Cooper Power series line terminal and ground terminal wildlife guards. Both guards are perfect for traditional heavy-duty and/or riser pole applications.

Increase reliability and customer satisfaction

- Reduce service interruption
- Reduce disruption to wildlife
- Increase your power quality metrics

Save time and money

- Reduce lineman's time in the field identifying fault locations
- Protect your investment from wildlife damage

Wildlife friendly

- Reduce utility exposure to Endangered Species Act
- Less danger to wildlife

The line terminal wildlife guard can be quickly added to all medium voltage UltraSIL™ polymer-housed distribution-class surge arresters. The guard provides electrical insulation for the arrester in a compact, inexpensive, and highly effective design that is engineered to provide optimal wildlife protection.

The ground terminal wildlife guard, with a universal fit, provides a higher level of wildlife protection and better resistance to wind and other environmental factors than other guards.

Use these guards on all Eaton Cooper Power series distribution arresters for optimum reliability and performance.

E·T·N

Powering Business Worldwide

Weather resilient

Both the line terminal and ground terminal wildlife guards contain superior weather resilient qualities including:

- Weather resistant polyethylene construction
- Proprietary ultraviolet inhibitor has been added to increase resistance to tracking from UV exposure
- Minimizes ice build-up in cold environments
- Maintains flexibility down to -50 °C

Superior performance*

Eaton has tested the Cooper Power series wildlife guards in accordance with IEEE Std 1656™-2010 standard.

Both the line terminal and ground terminal wildlife guards were tested to 22 kv versus the industry standard 5 kv. In addition, both passed design verification tests including the following:

- Wet power frequency flashover
- Cold temperature test
- Ultraviolet aging
- Salt fog aging

Ground terminal wildlife guard simple design

The ground terminal wildlife guard covers the ground terminal to protect against flashovers between live and ground terminals.

- Can fit any standard arrester
- Retrofittable in the field
  - Added in the field while energized to avoid downtime
  - Can be installed with hotstick
- Discourages wildlife perching

Line terminal wildlife guard enhanced design

The line terminal wildlife guard extends slightly past the first shed, increasing distance to live components while eliminating the chances of foreign objects reaching energized areas.

- Maintains flexibility through extreme operating temperatures, which allows for easy installation and removal during maintenance of overhead equipment
- Integral molded flanges conform around leadwire to eliminate access to high voltage
- Overlapping gates provide another barrier to protect the high voltage terminal of the arrester
- Retrofits to existing Eaton Cooper Power series arrester installations
- Accommodates a wide range of conductor sizes—up to 0.5″ OD

Reduce maintenance costs with Eaton's Cooper Power series wildlife protection system.

Line terminal guard Part number: AV698X1C

The line terminal and ground terminal wildlife protectors are shown here with the UltraSIL polymer housed Evolution™ surge arrester.

Ground terminal guard Part number: AV731X1C

For Eaton's Cooper Power series product information, call **1-877-277-4636** or visit: **Eaton.com/cooperpowerseries**

F·A·T·N

Powering Business Worldwide