

LEHMAN ELECTRICAL RESOURCES

SOLUTIONS IN ANIMAL MITIGATION



- . Chemical Bird Aversion**
- . Fencing/Shields/Guards**
- . Protectors & Barriers**

A SUBSIDIARY OF LEHMAN GROUP LTD

**FOR ORDERS CALL: 630-942-1900
OR 800-942-1909**

ANIMAL MITIGATION



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ANIMAL MITIGATION

INTRODUCTION

Deregulation in the electric utility industry and downsizing have placed new demands for the delivery of reliable electric power.

Research indicates that two of the most common causes of power outages are weather and animal interference.

Customers could care less of the causes or industry paradigm shift. They want and expect reliable electricity. This catalog provides various solutions to animal caused outages. We offer a full array of Animal Mitigation products and the expertise to assist you in developing an effective strategy. We can help you to reduce costs related to animal caused outages and provide more reliable service to your customers. Call, email or fax us. We would welcome the opportunity to discuss your specific needs.

Scott Lehman
President
Lehman Electrical Resources

Phone: 630-942-1900/630-942-1953
Toll Free: 800-942-1909
Fax: 630-942-1955
www.lehmanelectricalresources.com

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THE PROBLEM...

As more and more animal populations are increasingly pushed out of their natural habitats, so does the problem of infestation and accident **increase proportionately.**



Outages, corrosion to fittings and other equipment, along with very hazardous and unsanitary conditions are resultant if work areas are untreated.

Millions of dollars are lost annually due to the damage and outages that are caused by nuisance squirrels, birds, raccoons and other invaders.



LEHMAN ELECTRICAL RESOURCES

offers a solution to these costly , destructive , and hazardous animal mitigation problems . We have a full line of products and solutions to address your animal mitigation needs.

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ANIMAL MITIGATION



THE BIRD PROBLEM...

Occupational Health and Safety

Bird droppings from areas such as external air conditioning units, window ledges, walkways, water treatment supply systems and pedestrian entrances should be removed as soon as possible to eliminate possible health and safety risks to the public. **Birds are the cause of many diseases of humans and domestic animals.**

Buildings/Walkways/Entrances

Droppings from birds on buildings, walkways and entrances are unsightly, corrosive to building materials, and accelerate the deterioration of a building. The acidic secretions produced by fungi that feed on the droppings cause most of this damage.

The costs associated with clean up and restoration can be enormous and without adequate protection the cycle continues.

Electrical Substations

Birds search for roosting, feeding or nesting locations. **Substations offer perfect alcoves and angles for bird invasion.** Birds are also attracted to the noise and heat emitted by transformers. Roosting or nesting birds in the I beams prevent switches from operating. Problems are compounded when birds nesting in transformer radiator fins encourage other animals to enter substations in search of food.

**THE BIRD PROBLEM:**

- **Birds are the cause of many serious & sometimes deadly diseases associated with humans & domestic animals**
- **Droppings are unsightly**
- **The costs associated with maintenance and cleanup increase as infestation continues to exist**
- **Outages, corrosion, hazardous & unsanitary conditions are resultant if work areas are untreated**

BIRDATE & BIRDBLOCKER are powerful deterrents to bird infestation. BIRDATE & BIRDBLOCKER are environmentally safe, classified as a naturally occurring flavorant by the EPA. BIRDATE & BIRDBLOCKER have been declared as GRAS (Generally Regarded As Safe) by the FDA.

BIRDATE

Part Number: BIRDATE

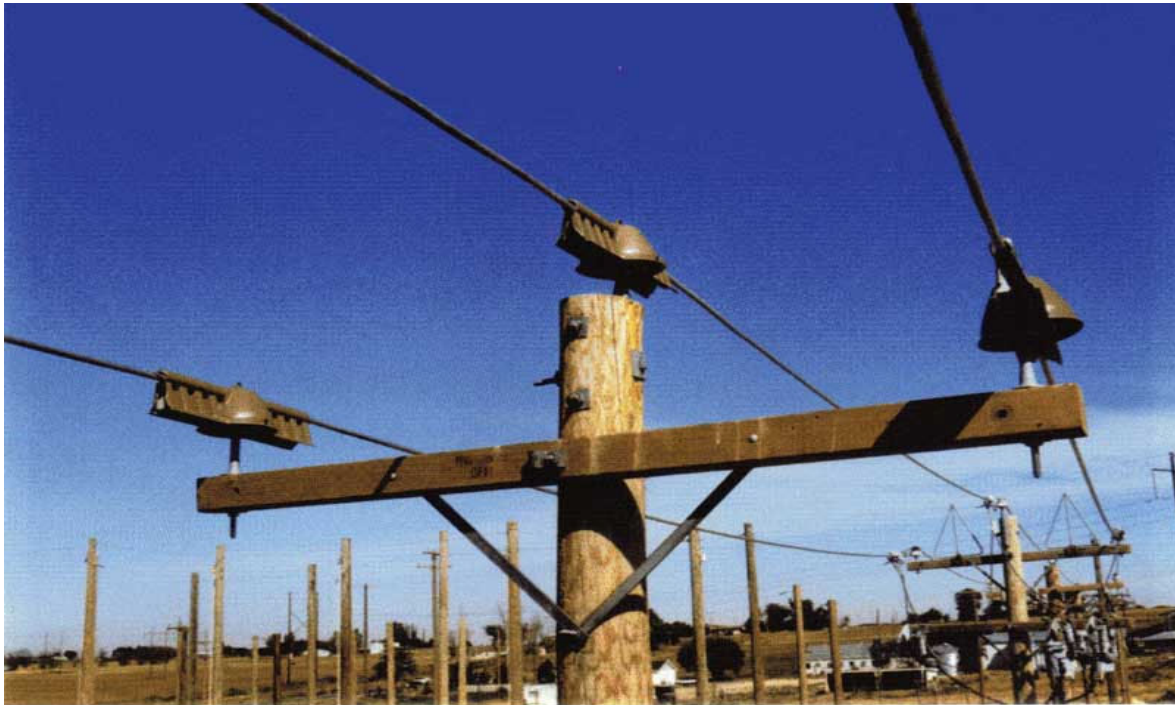
APPLIED TO SURFACES; WHEN INJECTED CAUSES BIRDS TO EXPERIENCE AN "UPSET STOMACH"**BIRDBLOCKER**

Part Number: BIRDBLOCKER

APPLIED AS A FOG; DETERS BIRDS FROM ENTERING AREAS



PROTECTORS & GUARDS



Photos courtesy of Northwest Lineman College, Meridian, ID.

LER Line Protector

Part Number:

Line Protector "C" Neck: LERLPC

Line Protector "F" Neck: LERLPF

Line Protector "J/K" Neck: LERLPJK

Prevent bird excrement from fouling and building up on the insulator and tie.

UV Resistant, Fire Retardant, Flame Resistant

Dielectric Strength: exceeding 72kV, Available to fit pin and post type insulator and wide range of conductor sizes. Sizing: According to ANSI class of insulator

ANIMAL MITIGATION



LER Three Piece Birdguard

Part Number:

“C” Neck: LERLPC3

“F” Neck: LERLPF3

“J/K” Neck: LERLPJK3

LER offers a “safe place to perch”

Installed on a typical 3 phase 4 wire single crossarm structure with lowered neutral (RUS C1 type construction), this product allows birds to safely perch on the arm without causing an outage.

UL listed, UV resistant, fire retardant and flame resistant. Dielectric strength exceeds 72 kV. Available to fit pin and post type, tie and clamp top insulators. Sizing by ANSI class of insulator

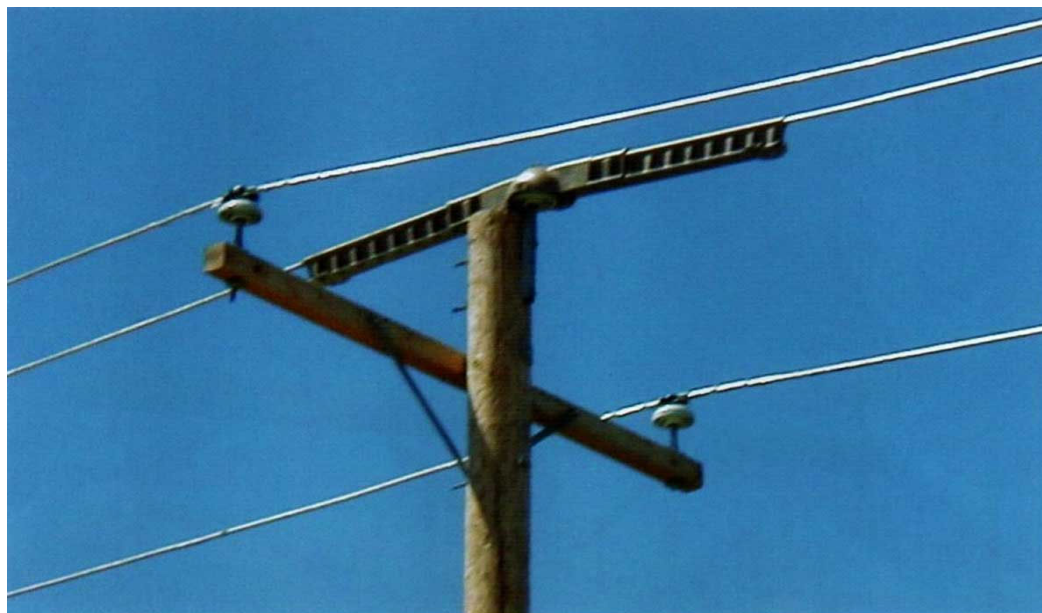


Photo courtesy of Northwest Lineman College, Meridian, ID.

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LER Triangle Antiperch

Part Number:

Triangle 18.5" Base: LERAP185

Triangle 20.5" Base: LERAP205

Installed to prevent birds from landing on the crossarm and going phase-to-phase or phase-to-ground.

UL rated schedule 40 PVC; supplied mounting hardware; no metal hardware above the crossarm; Fire Resistant, Flame Retardant, UV Resistant base. Available to fit standard 3.5" crossarm, two triangle coverage widths: (20.5", 18.5")



Photo courtesy of Northwest Lineman College, Meridian, ID.

ANIMAL MITIGATION



LER "Swing Plate" Triangles

NO LONGER AVAILABLE



Part Number:

4x 4.75" Triangle: LERSPT4475

4x 6" Triangle: LERSPT46

6x 6" Triangle: LERSPT66

6x 3.75" Triangle: LERSPT6375

6x 7.75" Triangle: LERSPT6775

Low cost and easily installed using a shotgun stick from a bucket truck, or climbing the pole. This product has no springs or other moving parts to wear out. The swing plate swivels under the crossarm and tightens to provide a snug fit.

UV Resistant, Available to fit a wide variety of crossarm sizes.

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LER Nest Not

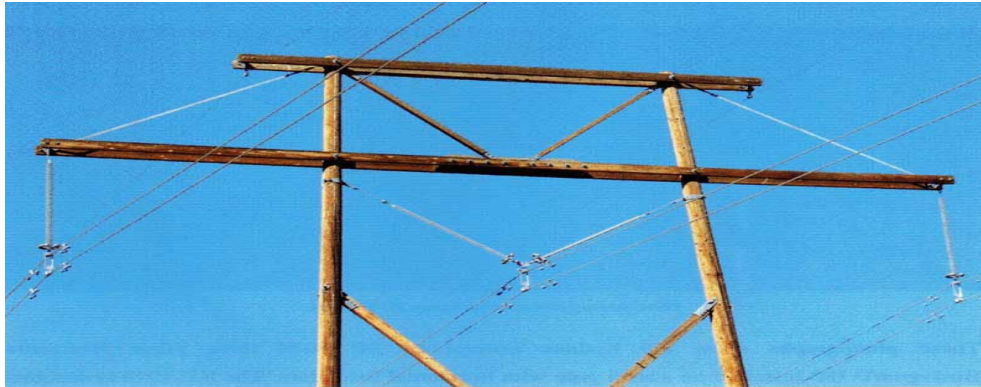
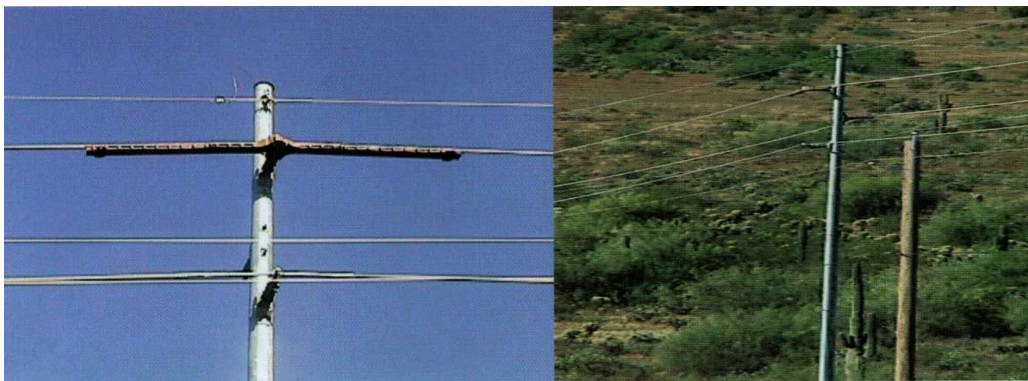


Photo courtesy of Viking Utility Sales

Part Number: LERNN

Prevent the accumulation of nesting material on the cross arms. Outages and structure fires can be caused by large birds nesting above insulators and conductors on the H-Frames. UV Resistant, Flame Resistant, Fire Retardant

LER Horizontal Birdguard



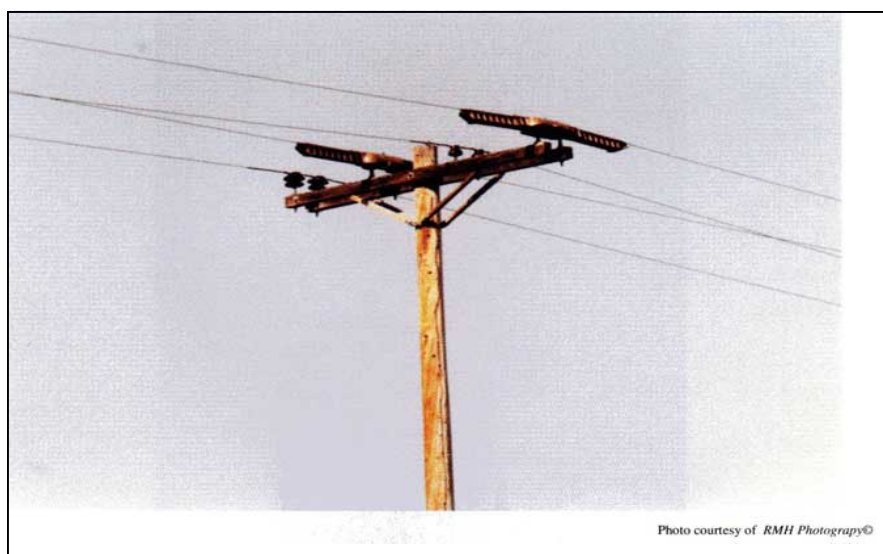
Photos courtesy of Kari Spire, Arizona Public Service

Part Number: LERHB

Horizontal Birdguard is designed to be used when the conductors are less than 5' from the pole, or have less than 5" separation between conductors. Assembled, this product will provide a total of 120" PF protection (5' from the center of the insulator in each direction).

UL listed, UV Resistant, Fire Retardant, Flame Resistant. Dielectric Strength exceeds 72 kV

ANIMAL MITIGATION



LER Double Glass Birdguard.

Part Number:

“C” Neck: LERDGBBC

“F” Neck: LERDGBF

“J/K” Neck: LERDGBJK

Installed on a typical 3 phase, 4 wire double crossarm structure (RUS C-9 construction), this product is available to fit pin and post-type insulators, tie and clamp types. Sizing by ANSI class of insulator, UL listed , UV Resistant, Fire Retardant, Flame Resistant. Dielectric strength is 72 kV.

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CAPS & COVERS

LER Wood Pole Cap

Available in two sizes: base diameter of 9.75" and base diameter of 5.25"

Part Number:

9.75" Base: LERWPCL

5.25 " Base: LERWPCS

Prevent birds from perching on top of the pole and simultaneously contacting the energized overhead conductor and the grounded hardware on the ridge pin support.



Photo courtesy of Northwest Lineman College, Meridian, ID.

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ANIMAL MITIGATION



Fiber Optic Protection

Part Number: LERFOCT

The excrement of carrion-eating birds like eagles, osprey, and buzzards is very acidic. These large birds find transmission and distribution structures in electric utility systems a fine place to perch and rest. Corrosion begins on the rods used to protect cables at points of contact, such as dead end assemblies, and single or double suspension clamps.

Corrosion erodes the rods, moves into the clamp areas, expands down into the cable, turning the fibers dark and resulting in downtime and expensive replacement costs. Fiber Optic Products can be installed when new cables go up or as a retrofit to keep fibers safe and impervious to buzzard damage.

A.



B.



C.



D.



Illustrations from top to bottom: (Available in Brown or Gray)

- A. Single Suspension Clamp Cover for tangent application
- B. Double Suspension Clamp Cover for angle application
- C. "U-Bolt" Type for dead end application
- D. Clamp Type for dead end Application
Fire Retardant, Flame Resistant,
ABS/PVC Blend (UV inhibitors)
Dielectric Strength 72 kV

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DIVERTERS/DEFLECTORS

LER Bird Flappers

Part Number: LERBF



A cost effective means of reducing the hazards associated with line strikes, this product is designed to make lines more visible to birds. It differs from other "bird flight diverters" in that it has a positive clamp attachment for securing it to the high static on transmission lines. The Bird Flapper is lightweight, has low wind resistance and can be installed with a shotgun stick or by hand. Will fit over conductors or static lines up to .63" in diameter.

Available in Red, White, Black

A series of units installed on a three-phase distribution line, shows the alternating colors (red, white, black) which compensates for varying light levels. Best industry practice suggests placing the Bird Flight Diverters on the "high static" of transmission lines or on all three phases of distribution systems.

Flappers flutter even in the slightest of breezes.

UV stabilized Polycarbon

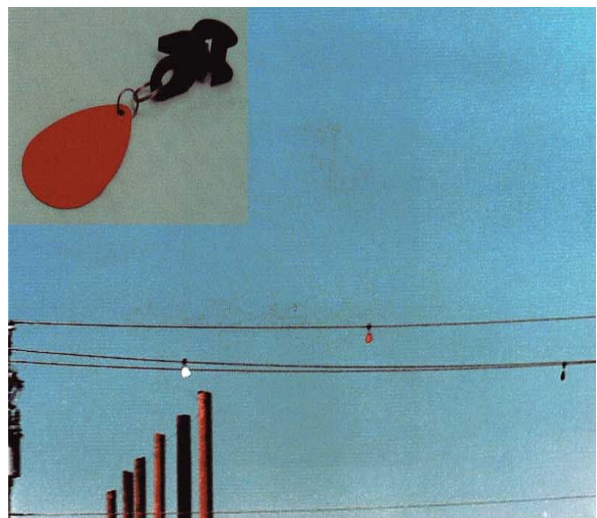


Photo courtesy of Northwest Lineman College, Meridian, ID.

ANIMAL MITIGATION



LER Deflector/Nesting

Part Number: LERDN



Osprey, eagles and other large raptors commonly use double arm structures as bases for nesting . Nesting can be prevented along with the potential for fires and outages reduced by installing the Nesting Material Deflector. Designed to accommodate double arm assemblies from 6 to 10 feet in length, this product will deflect the dropped nesting materials away from the arms and overhead jumpers.

UV and Flame Resistant, Fire Retardant, Life Expectancy exceeds 20 yrs.



LER Perch Discourager

Part Number: LERPD

ABS/PVC Blend , UV Protected, Fire Retardant, Flame Resistant. Dielectric Strength of 72 kV

ANIMAL MITIGATION



PUBLIC ENEMY #1

The Electric Power Research Institute, a nonprofit analysis group in CA, referred to squirrels as “Public Enemy Number One” for utilities. Animal interference with electric power facilities account for 12 percent of all electricity outages, according to Richard Harness, a wildlife biologist with EDM international, a utility consulting firm in Fort Collins, Co. The other 67% of outages are weather related. Utilities can prevent, or at least reduce, animal-caused outages. Utilities need to develop strategies. Strategies may include the use of protectors, guards, covers, caps or shields.

LEHMAN ELECTRICAL RESOURCES can assist you in determining what strategies work best for you.



LER Polymer Arrestor Cap
Part Number: LERPAC

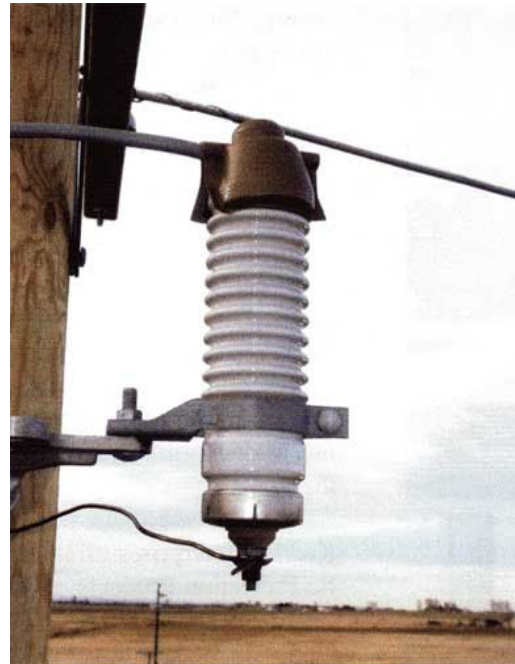


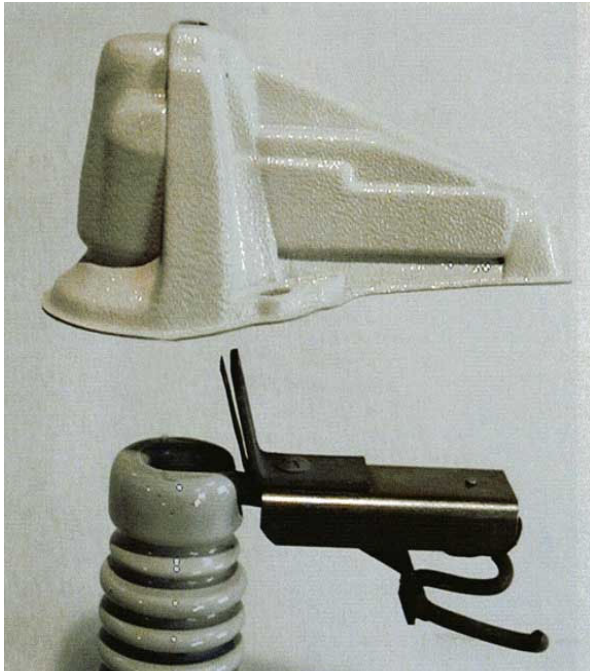
photo courtesy of NLC, Meridian, ID.

LER Ceramic Arrestor Cap
Part Number: LERCAC

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Switch (cutout) Cover



Part Number:
ABB: LERSCABB
Kearny: LERSCK
PLH: LERSCPLH
S&C: LERSCSC

Designed to fit over the connection and exposed upper metal bracket on the cutouts without interfering with the normal operation of the unit. Insulated jumpers or a cover-up material on all jumpers when installing are recommended. Available for ABB, Chance, Kearny, PLH, and S&C switches. U-V Resistant, Flame Retardant, Fire Resistant. Dielectric strength exceeds 72 kV

Transformer Bushing Cap

Part Number: LERTBCA

Snap this one piece molded unit over the first “shed” or “skirt” of the bushing insuring proper installation and preventing the cover from “walking” up the jumper. Recommended that you use insulated jumper wires or use a cover-up material over all jumpers.

**UV Resistant, Flame Retardant, Fire Retardant
Dielectric strength exceeds 72kV**



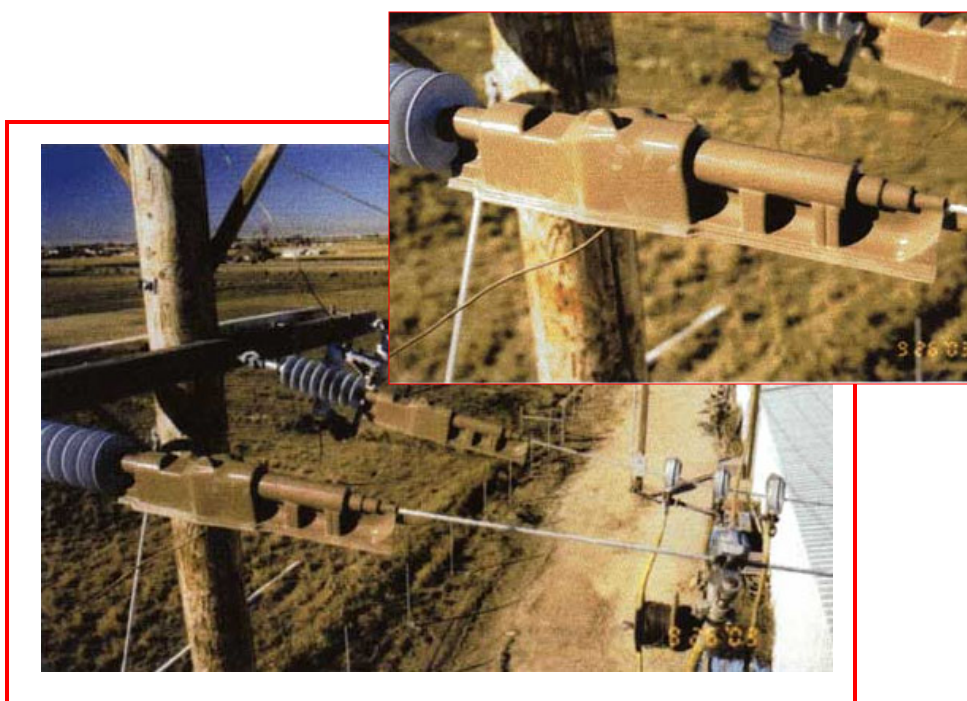
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ANIMAL MITIGATION



Epoxilator (Polymer) Dead End & Shoe Cover

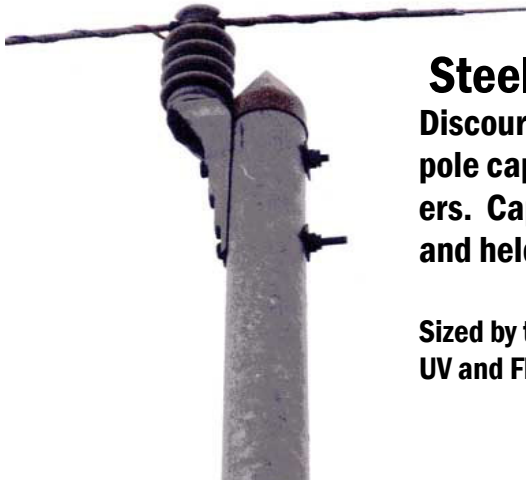
Part Number: LERPDESC



Shotgun installable cover fits over the dead end shoe and hot line clamp to help utilities reduce the number of outages caused by nesting material and animals. An animal friendly environment can be achieved by field modification allowing the cover to be used with over arm jumpers covered with jumper cover up material.

UV Resistant, Flame Retardant, Fire Resistant, Dielectric Strength 72 kV

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Steel Pole Cap

Discourage birds from perching on steel structures. These pole caps are available to fit steel poles from all manufacturers. Caps are effective on armless and tangent construction and held securely in place by the ridge pin assembly.

Sized by the outer diameter of the pole top. Available in gray or brown. UV and Flame Resistant, Fire Retardant, Dielectric Strength of 72 kV

Part Number:

Base 5.125" : LERSPC5125

Base 5.25" : LERSPC525

Base 6.0" : LERSPC60

Base 6.31" : LERSPC631

Base 6.6" : LERSPC66

Base 6.7" : LERSPC67

Base 7.1" : LERSPC71

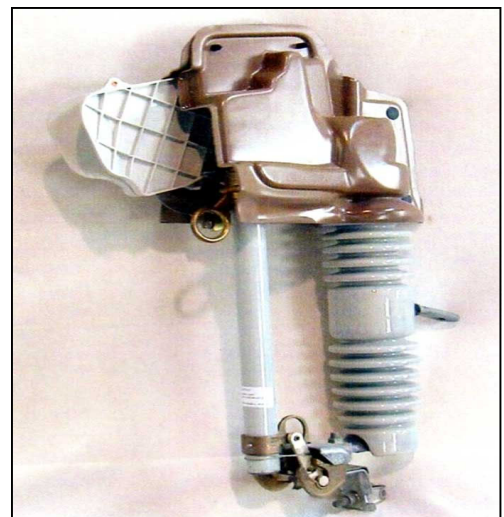
Loadbreak Switch Cover

Part Number: LERLBSC

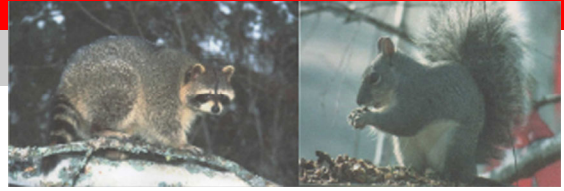
Fits over the connection and exposed upper metal bracket on the cutouts without interfering with the normal operation of the unit.

When installing the use of insulated jumpers or a cover-up material on all jumpers is recommended.

**UV Resistant, Flame Retardant, Fire Resistant Material
Available in gray or brown. Dielectric Strength exceeds 72 kV**

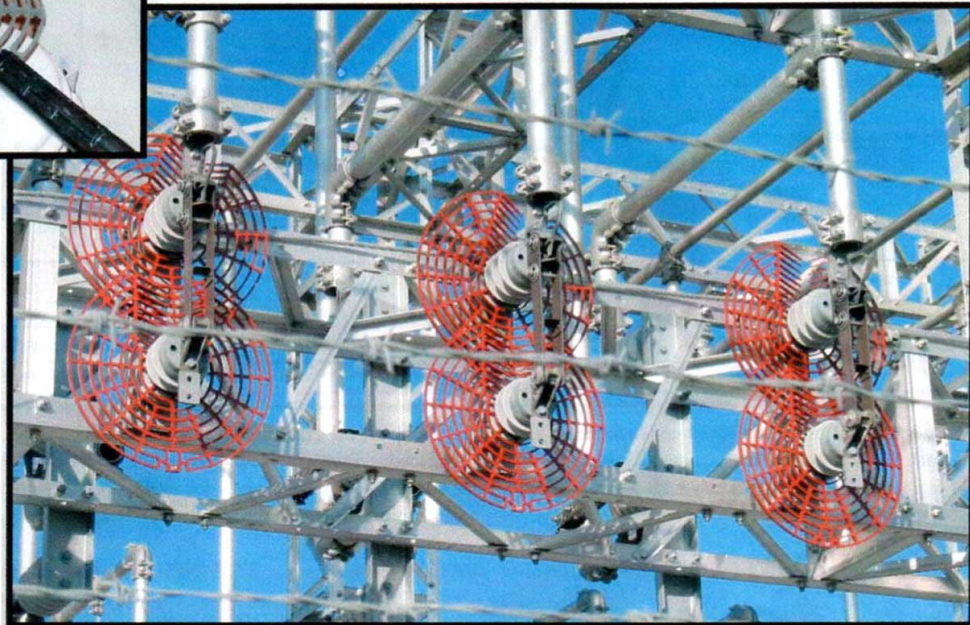
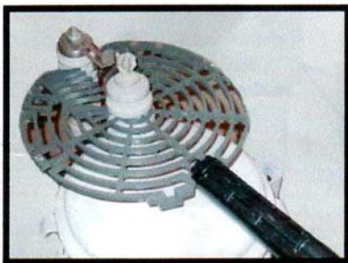


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LER Shield Protectors

For Substation & Distribution



Designed for one-person hotstick installation on energized equipment.



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ANIMAL MITIGATION



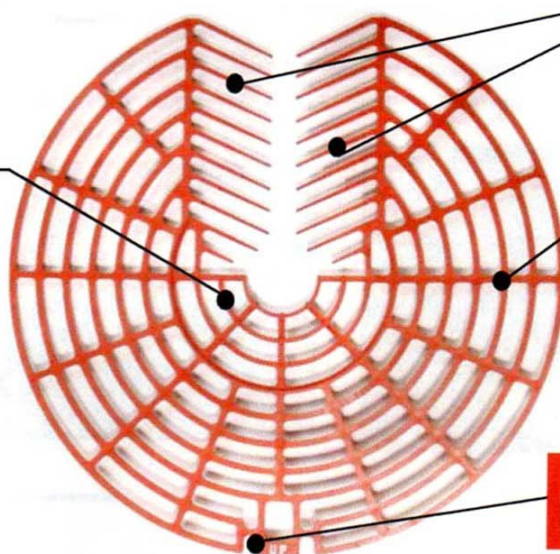
Substation Shield Protector

SUBSTATION models are available in Red or Gray



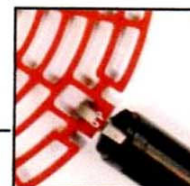
Removable inner rings allow for field adjustment to insulator size.

US Patent No. 5,864,096



Flexible "teeth" for fast and easy one person installation on energized equipment.

Shield material is flame, arc, UV and tracking resistant.



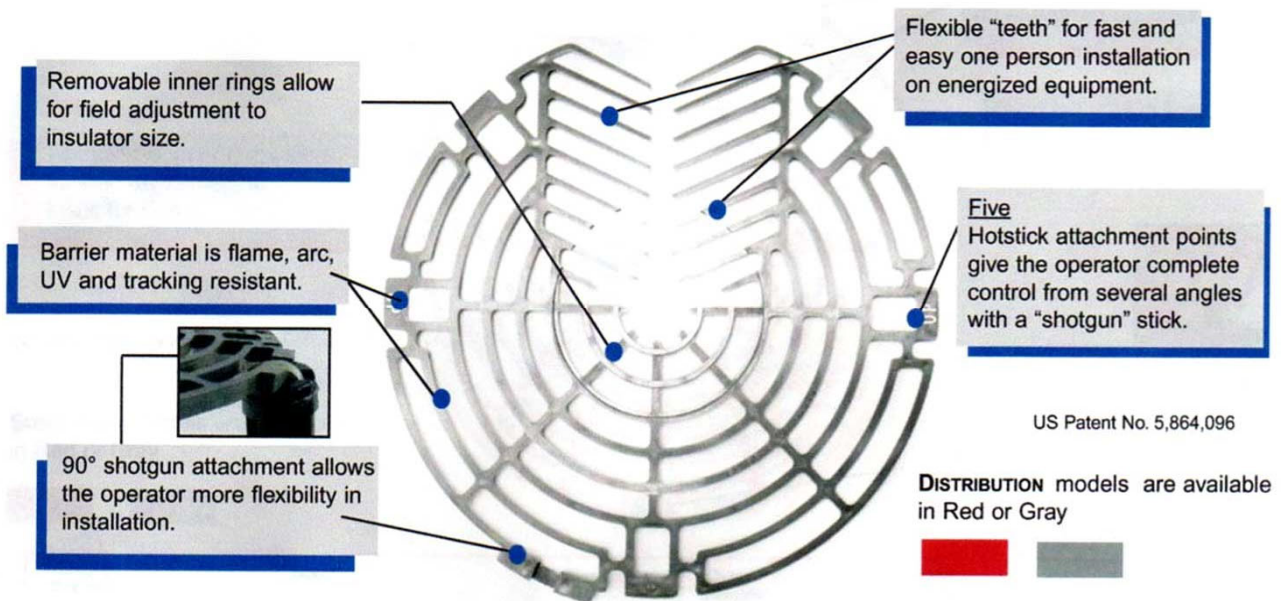
Hotstick attachment points give the installer complete control with a "shotgun" stick

| LER Part Number | Description | Application | Overall Diameter | Core Diameter Range (inches) | | Color | UL-94 Classification |
|-----------------|------------------------|-------------|------------------|------------------------------|-----|-------|----------------------|
| | | | | min | max | | |
| LERWLS16G | Substation - 16", Gray | Substation | 16-inch | 1 | 6 | Gray | V-0 |
| LERWLS16R | Substation - 16", Red | Substation | 16-inch | 1 | 6 | Red | V-0 |
| LERWLS20G | Substation - 20", Gray | Substation | 20-inch | 2 | 6 | Gray | V-0 |
| LERWLS20R | Substation - 20", Red | Substation | 20-inch | 2 | 6 | Red | V-0 |
| LERWLS24G | Substation - 24", Gray | Substation | 24-inch | 2 | 6 | Gray | V-0 |
| LERWLS24R | Substation - 24", Red | Substation | 24-inch | 2 | 6 | Red | V-0 |

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Distribution Shield Protector



| LER Part Numbers | Description | Application | Overall Diameter | Core Diameter Range (inches) | | Color | UL-94 Classification |
|------------------|---|--------------|------------------|------------------------------|-----|-------|----------------------|
| | | | | min | max | | |
| WLSD16G | Wildlife Shield Distribution 16", Gray | Distribution | 16-inch | 1 | 6 | Gray | V-1 |
| WLSD16R | Wildlife Shield Distribution - 16", Red | Distribution | 16-inch | 1 | 6 | Red | V-1 |

ANIMAL MITIGATION

POLE GUARDS/LINE GUARDS



POLE GUARD

Part Number: LERPG



LER Pole Guards are your cost effective solution to keep the critters out! Manufactured with Celcon Acetal Co-polymer, this product delivers high tensile strength and stiffness, combined with unmatched durability and performance. **ALLOW NO ACCESS**

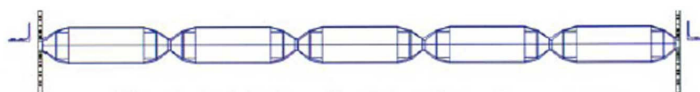
- Rollers can be removed requiring only a 4½" surface to clear when climbing the pole
- Conduit cutouts can service up to a 2" pipe and a 10"-12" pole diameter

LINE GUARD

Part Number: LERLG

Prevent squirrels from using your power lines as a "high-way". LER Line Guards are easily installed without downtime and interruption of service to your customers.

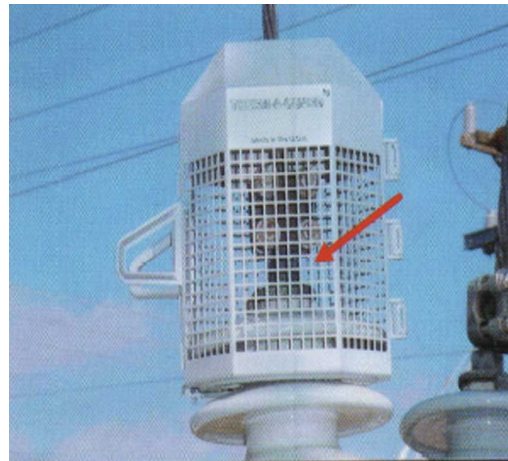
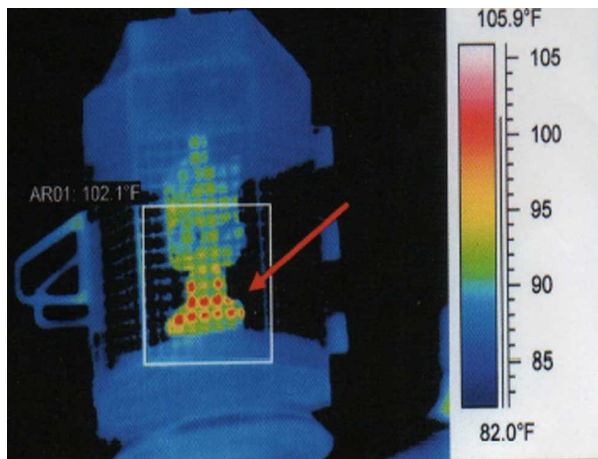
Use LER Pole & Line Guards
as part of your
Animal Mitigation Strategy



One Line Guard consists of (5) rollers, (4) clamps
(2) wheels, and (6) zip ties

ANIMAL MITIGATION

LER Wildlife Guard



Part Numbers:

Small: LERWG95

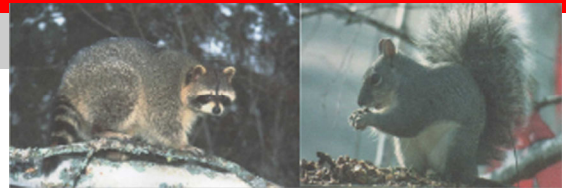
Medium: LERWG127

Large: LERWG147

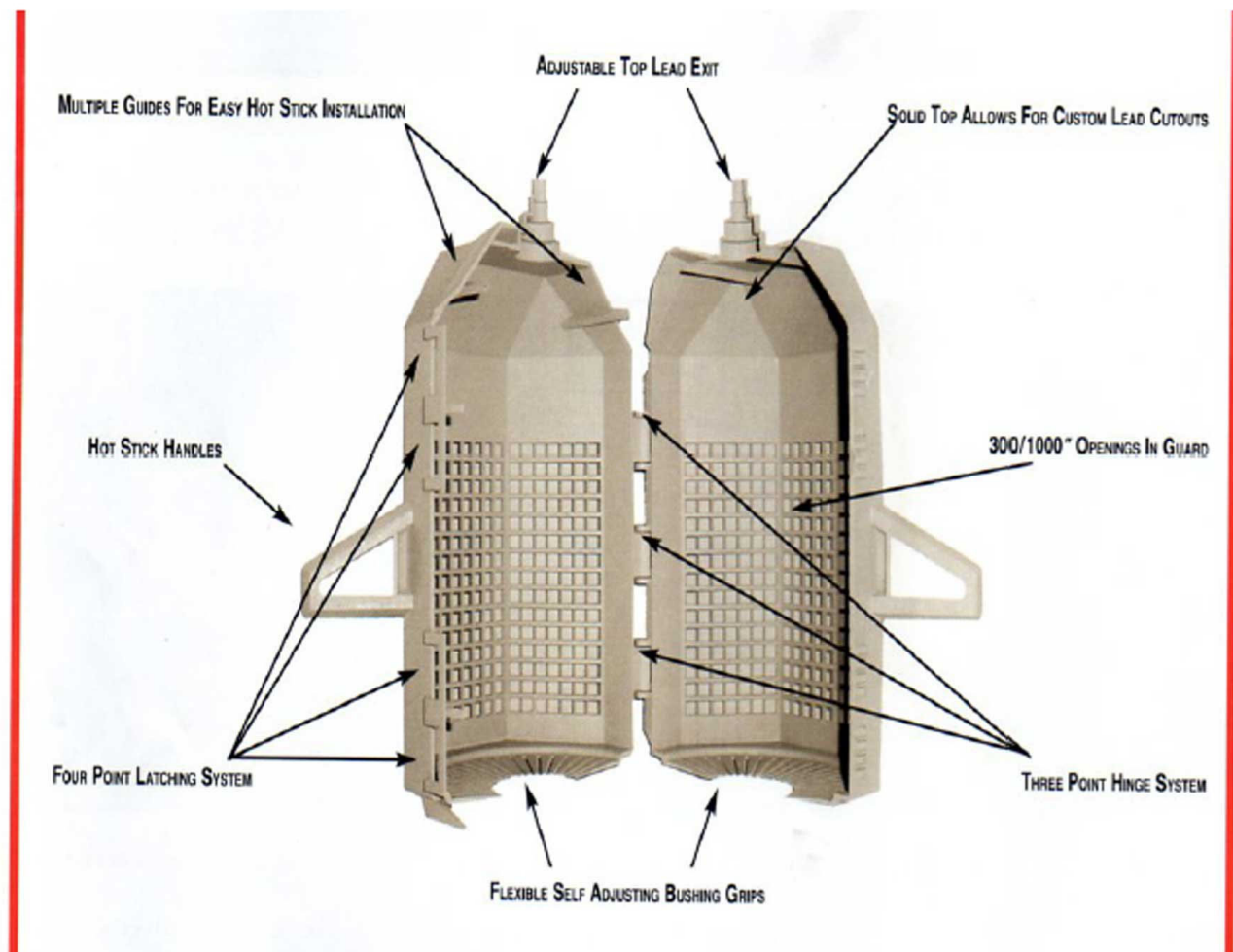
Small 9"H x 5"W Medium 12"H x 7"W Large 14"H x 7"W

- **Hot Spots can be detected clearly**
- **Visual Inspections can be performed easily without removal of guard**
- **Openings approx. 300/1000" keep wildlife out; allow an unobstructed view**
- **Increased air circulation helps to maintain cooler operating temps**
- **Unique latching system allows for easy removal and reinstallation**
- **Easy Hot Stick Installation**

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LER Wildlife Guard is a low cost solution to reduce outages caused by wildlife resulting in greater reliability, safety and efficiency.



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ANIMAL MITIGATION



LER Line Obstructers



Part Number: LERLO

(Left) Multiple Rotating Disks discourage climbing animals from entering substations. Free rotating disks create unstable surface that squirrels and other rodents don't want to cross.

LER Pole Wraps



Part Number: LERPW2536

(Right) This product provides an abrasion-resistant, slippery material that prevent squirrels and other rodents from climbing utility poles. UV protected, withstands extensive exposure to sunlight, saltwater, acid rain, and virtually all chemicals.

LER Wildlife Barrier

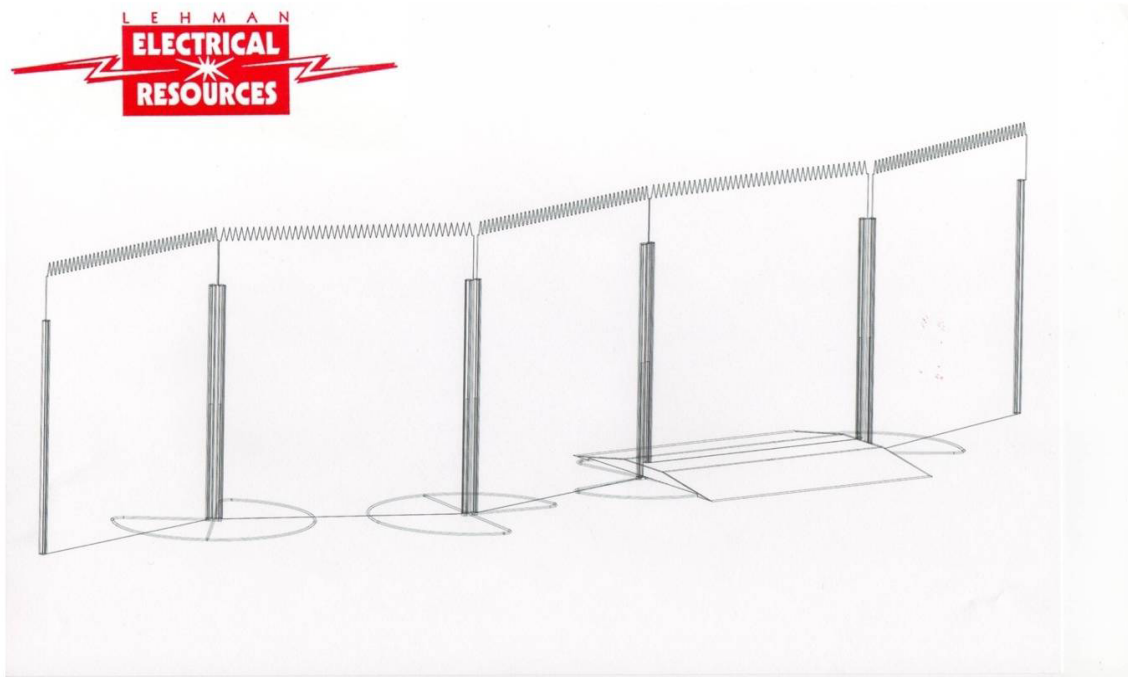


Part Number: LERWB23

(Left) This system of interconnecting panels provide a barrier that blocks squirrels, rodents and snakes from entering substations. Installed without requiring an outage, Durable to withstand UV exposure, sunlight, rain, and airborne chemicals.

LER FENCE PROTECTION

Our Non-Electric Fence will provide the cost effective protection you need to keep squirrels and raccoons out of your equipment. Used as part of your animal mitigation strategy, our fence protection will help you to provide the reliable service your customers depend on.



LER Non-Electric Fence

Ordering Code

LER NEP4 4' Wide Non-Electric Fence Panel
LER NESS Non-Electric Surface Stand

LER NEEW Non-Electric Entryway
LER NEEWP Non-Electric Entryway Panel

ANIMAL MITIGATION



LER NON-ELECTRIC FENCE SYSTEM

Part Number: Fence LERF

Gateway: LERG



GET PROTECTED

Our non- electric fence system is animal friendly & people friendly!

RELIABLE

EASY TO INSTALL

NO OUTAGE

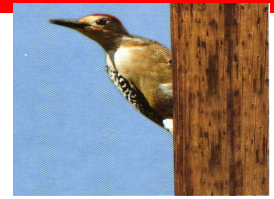
COST EFFECTIVE

SAFE & SECURE

VISABILITY

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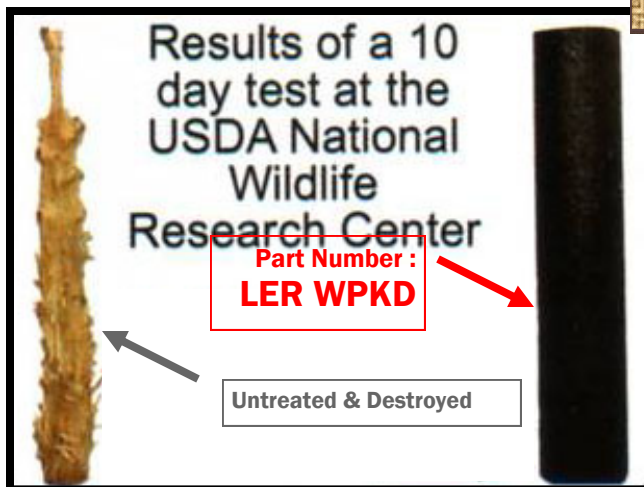


LER WOODPECKER DETERRENT

Part Number: LER WPKR
LER WPKD

LER WPKR & WPKD will keep the most persistent woodpeckers from compromising your reliability. Here's the solution for repair & protection of your utility poles. Don't wait for animals to do damage...protect yourself and your poles today!

THIS STUFF IS SOME-
THING ELSE... I
CAN'T PENETRATE
IT ..ITS NOT WORK-
ING...@#*?!
URRR...YOU WANT



HOLE REPAIR SYSTEM

FEATURES:

- COMPLETE REPAIR IN MINUTES
- SCIENTIFICALLY ENGINEERED EXPANDING EPOXY CONCRETE
- RESTORES STRUCTURAL INTEGRITY
- CLIMBABLE
- NO SPECIAL EQUIPMENT
- NON-TOXIC ENVIRONMENTALLY FRIENDLY
- CONVENIENTLY PACKAGED

PROVEN EFFECTIVE

LONG LASTING PROTECTION

**PATENTED TIME-RELEASED
ODORANT**

ANIMAL MITIGATION

LER WOODPECKER REPAIR SYSTEM

Conveniently Packaged **Environmentally Safe**
Impregnated Odorant **Ease of Application** **Cost Effective**



Quickly and permanently repair damage as well as deter future bird attacks... reduce maintenance costs... reduce outages... increase your reliability and increase your profitability.

www.lehmanelectricalresources.com

KEEP SNAKES OUT



STOPAQ

STOPAQ FN2100 is a unique sealing material used to seal around pipes through walls below ground level and keep the snakes out. Due to its water absorbing characteristic **STOPAQ FN2100** has the ability to self-repair.

RANGES OF APPLICATION

- **CABLE SYSTEMS FOR ELECTRICAL NETWORK SYSTEMS**
- **CABLE SYSTEMS FOR TELECOMMUNICATION NETWORK**
- **PIPELINE SYSTEM: OIL, GAS & WATER NETWORKS**
- **PIPELINES IN COMPRESSOR STATIONS**



- **FOR UNDERGROUND APPLICATIONS IN COMBINATION WITH STOPAQ MORTEL E473**
- **UNIVERSAL SEALING MATERIAL**
- **MANUFACTURED UNDER NEN-EN-ISO-9001**
- **APPROVED BY TNO**

ANIMAL MITIGATION

LER STOPAQ FN2100

EXCELLENT PROPERTIES

- LONG SHELF LIFE
- QUICK & EASY APPLICATION
- WATER TIGHT & GAS TIGHT
- NO PRIMER NECESSARY
- PERFECT ADHESION ON ALMOST ALL SUBSTRATES
DRY AS WELL AS WET SURFACES
- LASTING FLEXIBILITY; EASY TO REMOVE
- NO DRYING OR HARDENING TIME



**FOR ORDERS CALL: 630-942-1900
OR 800-942-1909**

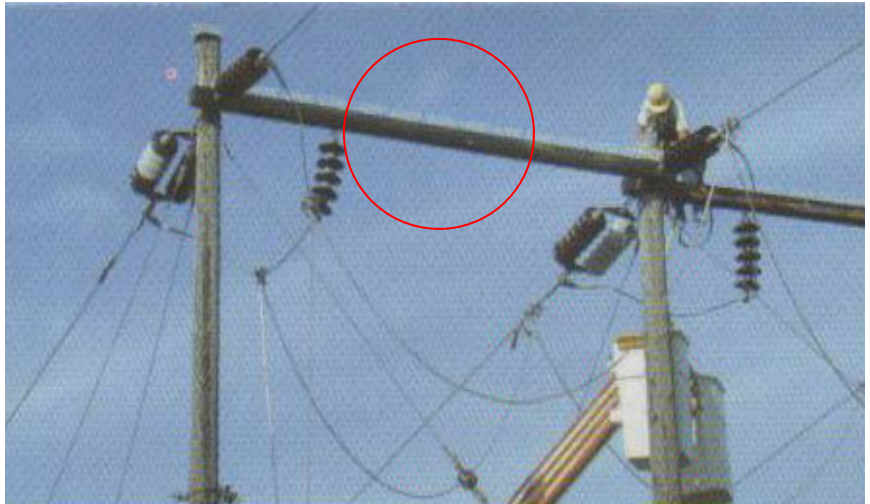


LER STAINLESS SPIKES

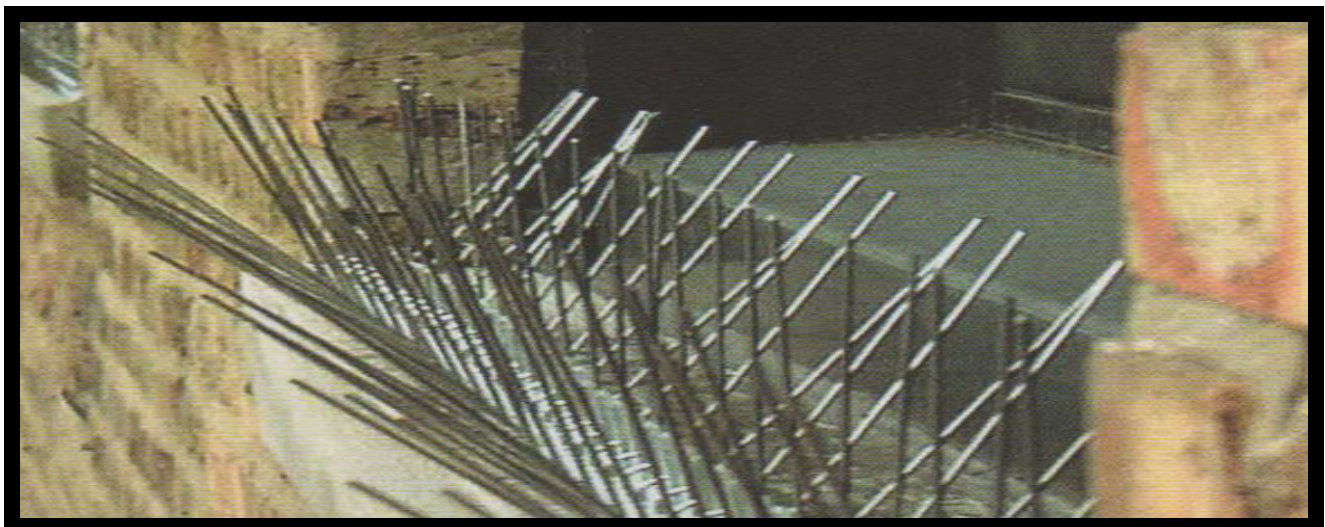
Part Number: LERSS SPIKES

SAFE, SIMPLE TO USE & SECURE... Use on buildings and structures to eliminate roosting and nesting surfaces.

- **COST- EFFECTIVE**
- **LONG- LIFE**
- **ENVIRONMENTALLY & ANIMAL FRIENDLY**
- **EASY INSTALLATION**
- **FLEXIBLE**



Stainless steel strips are a cost effective solution to keeping the birds from roosting and nesting on just about any structure including cables, trees or poles, roofs, beams, trusses and supports. They mount flat, on concave or convex curves, right side up, upside down or any angle. Attach with adhesive, nails, screws, or wire.



ANIMAL MITIGATION

LER POLYCARBONATE SPIKES

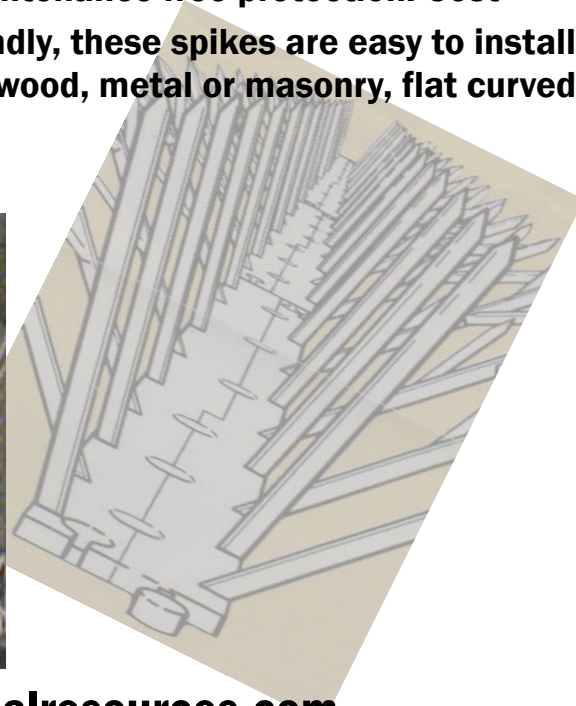
Part Number: LERP SPIKES

BLOCK PEST BIRDS

- COST EFFECTIVE
- TOUGH
- TRANSPARENT
- DENSE
- FLEXIBLE
- EASY INSTALLATION
- ENVIRONMENTALLY
& ANIMAL SAFE



Plastic spikes provide tough polycarbonate maintenance-free protection. Cost effective, environmentally safe and animal friendly, these spikes are easy to install and practically invisible. They mount easily on wood, metal or masonry, flat curved or irregular surfaces.





LER STRUCTURE GUARD

Part Number: LERSG

PREVENT INTRUDERS from climbing up onto your structures, traversing your I-beams and basically making a play area out of your substation! Let LER design our **ENGINEERED TO FIT** Structure Guard to prevent these intruders from causing damage and costly outages from the ground up!

Manufactured from high density polyethylene (HDPE); UV stabilized, High dielectric strength



- **ENGINEERED TO FIT YOUR STRUCTURAL NEEDS**
- **COST EFFECTIVE**
- **NO OUTAGE REQUIRED**
- **ENVIRONMENTALLY & ANIMAL SAFE**



**FOR ORDERS CALL: 630-942-1900
OR 800-942-1909**



LER STRUCTURE GUARD

Part Number: LERSG

Keep the critters from causing havoc in your substation! Keep them from climbing up onto your structures causing Outages, Unreliability and Costing you \$\$\$. Keep them off from the ground up. Protect your substation with Structure Guard.

**What is *Your* Animal Mitigation Need?
Let LER design a solution for you!**



Manufactured from high density polyethylene (HDPE); UV stabilized, High dielectric strength

www.lehmanelectricalresources.com

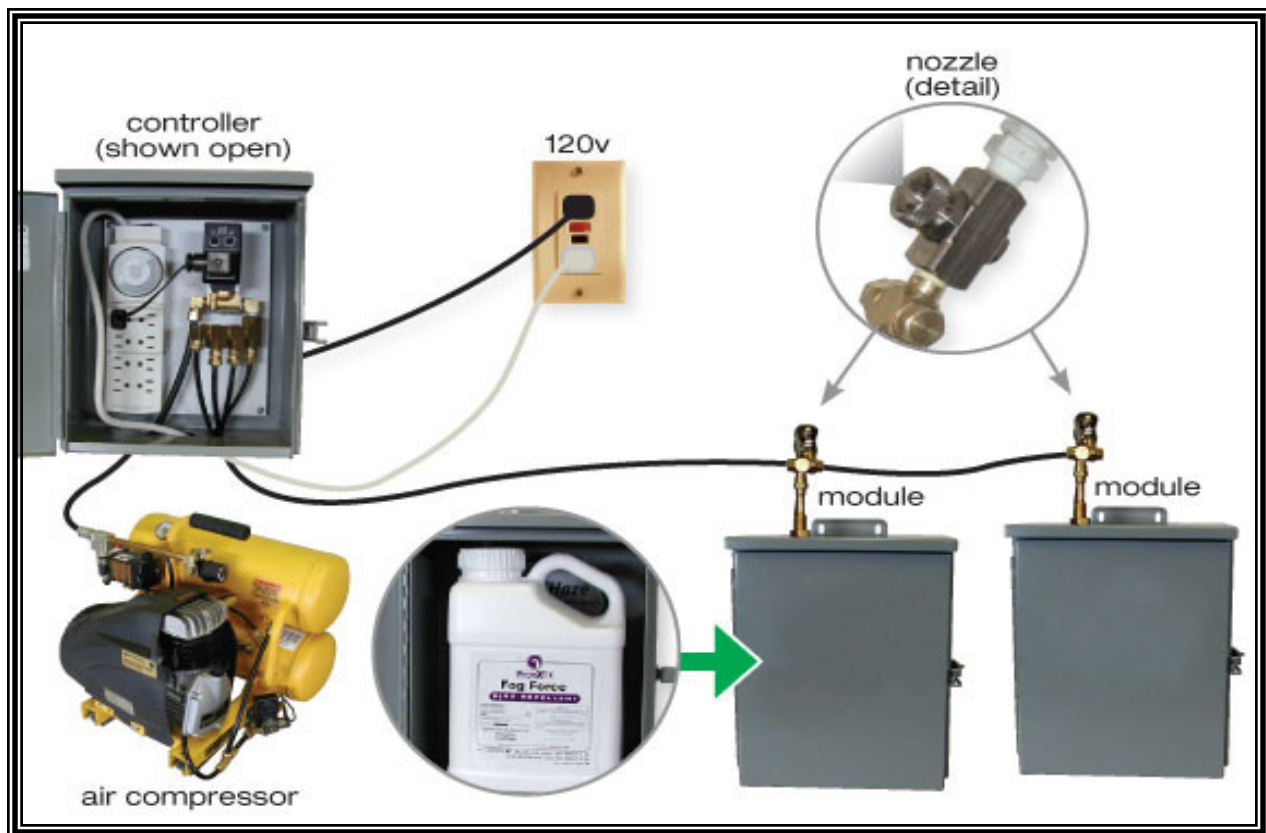
**FOR ORDERS CALL: 630-942-1900
OR 800-942-1909**



LER AUTOFOGGER

Part Number: LER AFMA

When nuisance birds become a problem risking health, safety and the ability to provide reliable power to your customers, call for LER Auto Fogger MA.



- **Tested Environmentally Safe**
- **Non - Lethal Behavior Modification Method**
- **Easily Installed**

A compressed, 2 unit, system view of the LER Auto Fogger that disperses the “grape scented” MA (Methyl Anthranilate)

www.lehmanelectricalresources.com

ANIMAL MITIGATION

Lehman Electrical Resources
28369 Davis Parkway Suite 401
Warrenville, Illinois 60555



Phone: 630-942-1900/630-942-1953

Toll Free: 800-942-1909

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