

# TOP FEATURES



## WHY CHOOSE THE GOLD EAGLE?

The Gold Eagle Cutout-Mounted Recloser is the ideal choice for utilities aiming to enhance reliability, simplify maintenance, and reduce costs. By harnessing solar power and offering a comprehensive suite of protection and monitoring features, the Gold Eagle sets a new standard in cutout recloser technology. It's more than a product—it's a transformative solution for distribution utilities.



## Introducing the Gold Eagle Single Phase Cutout-Mounted Recloser

Industry's first **solar-harvesting cutout recloser**, revolutionizing reliability, efficiency, and cost savings for modern utilities. Designed for seamless integration with standard **15kV cutouts**, it simplifies inventory management with uniform ratings. Its **dual power source**—(line current energy harvesting and an integrated solar panel)—enables sustainable, battery-free operation. With advanced technology and intuitive design, the Gold Eagle reduces outages, streamlines maintenance, and enhances overall system performance.



### 1. Standardization

- One size fits multiple applications —stock one device for diverse utility needs, simplifying utility inventory.
- Designed to fit into standard (universal) 15kV cutouts, allowing utilities to use existing 15kV cutout base without being required to purchase device specific cutouts.

### 2. Reduced Operation and Maintenance costs

- Stays securely in the fuse holder after lockout, further reducing bucket truck rolls to reset devices.
  - Manually removable from cutout base with hot stick for a visual air gap.
- No batteries, eliminating battery maintenance costs.

### 3. Dual (Redundant) Power Sources

- Energy harvesting through 1.5 A minimum line current.
- Integrated solar panels provide redundant charging sources.
- 36 Hour deadline operation – Operational capacity for up to 36 hours without solar or line current.

### 4. Ease of Operation and Settings

- Local - Simplified manual hot stick operation using a yellow Open/Close handle.
- Remote - Remote operation and setting changes available through a USB dongle with a 300-ft range.
- Separate red handle for HLT activation.

### 5. Advanced Device Status Indicators

- Red/Green semaphore position indicator and Red/Green blinking LED once every 20 seconds for easy visual device status. LED blink can be disabled.
- Blue LED blinking status when HLT is applied.

**\*\*Polymer Cutout Mount (optional)**

**Eyelit for Visual Open**

**Programming & Charging Port (pre-installation)**

**Power Harvesting Solar Panel**

**Electromechanical Manual Open/Close Handle**

**Nameplate**

**Hot Line Tag / Non-Reclose Handle**

**Mechanical position indicator + Blinking LED status indication**

**\*\*SCADA cabinet for complete remote operation and control (optional)**

**\*\*optional features available**

## SPECIFICATIONS

- Max Voltage: 15.5 kV
- BIL MAX: 110 kV
- Continuous Current: 300 A (200 A above 50°C)
- Interrupting Current RMS: 6.5 kA
- Weight: 25 lbs
- Temperature Rating: -40°C to +60°C
- Interruption Mechanism: Vacuum / Magnetic Actuator
- Minimum Charging Current: 1.5 A
- Minimum Trip Current: 3 A
- Voltage Detection: Absence / Presence

## SOFTWARE HIGHLIGHTS

### Protection Features

- Abundance of customizable protection curves (IEC, IEEE, Fuse, OCR, Recloser curves, etc.).
  - 3 Amp minimum trip setpoint
- Up to 4 shots to lockout with customizable settings for each shot.
- True Hot Line Tag (HLT) setpoints and operation (50, 51)
- High Current Trip (HCT) and High Current Lockout (HCL) functionality.
- Sequence coordination and inrush protection capability.

### Event & Data Management

- Records 3,500 event sequences with time-stamped data.
- Captures fault event analog values with time stamp for precise analysis.
- Stores up to 1-year of load data, with simple data export capabilities.
- Wireless firmware updates for seamless system enhancements.



Closed

Open

**\*Status blink once every 20 seconds.  
LED blink can be disabled.**

## PRODUCT BENEFITS

- Prevents temporary faults on laterals from escalating into permanent outages.
- Reduces circuit blinks on three-phase systems, improving reliability metrics.
- Significantly lowers operational costs by reducing the need for truck rolls.



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