## Lighted Target Nameplates Save Panel Space and Reduce Costs

The Electroswitch Series 24 Lock-Out Relay, the Utility Industry Standard for Quality and Reliability, is now available with:

- Integral Coil Monitoring with LED Display and SCADA Feedback.
- LED Indication of Existing Fault Signal.

The Lock-Out Relay fills one of the most critical needs in the utility industry protection scheme. A fast, reliable Lock-Out Relay can mean the difference between a routine fault clearance and a disastrous loss of service, maintenance time and expensive equipment damage.

To assure that this crucial device is functioning and ready to operate, many utilities install pilot lamps on the panel to monitor the integrity of the LOR coil. This can involve expensive inter-wiring and use precious panel space. Because of this, Electroswitch has integrated these monitoring functions and more on a new electronic nameplate for the LOR.

## Features

- Cost-effective Elimination of Additional Wiring and Lamps Needed to Perform this Function. Just Attach the Pre-wired Leads per the Enclosed Instructions.
- Save Valuable Panel Space. The Entire Package Fits in the Same Space as a Standard Mechanical LOR Nameplate.
- Both LOCAL (LED) and REMOTE (SCADA Signal) Indication is Provided; Reliable Protection for Unmanned Stations.
- Green LED indicates LOR Coil is Intact and Ready to Operate.
- Red LED Warns Against Resetting into an Existing Fault Signal and Possibly Damaging LOR Trip Coil.
- Bright LEDs Visible Through 135°, >11 Year Life (Typical).
- LEDs are Field Replaceable From the Front of Panel.
- LEDs are Available in Different Colors (Red, Amber, Green, Blue, and White).
- DC Unit Covers IEEE 24VDC and 48V/125V Ranges (38 to 140VDC).
- The Monitoring Package can be Implemented with Little or no Operator Training.
- This Product is Designed and Manufactured by Electroswitch to Work Flawlessly with the Ultra-reliable, High Speed Series 24 Lock-Out Relay.
- Optional Push-to-Test LEDs.

**For Theory of Operation
See www.Electroswitch.com**
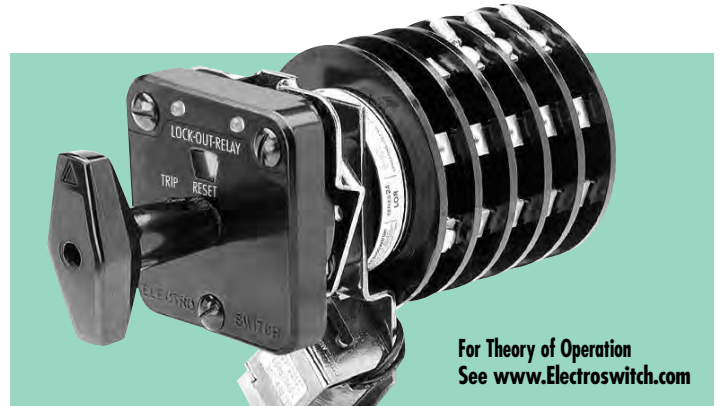
## Benefits

- Provides Local and Remote (SCADA) Annunciation of an LOR Trip Coil Failure.
- Provides Clear Warning Against Manually Resetting into a Fault.
- Saves Panel Space.
- Reduces Purchase and Installation Cost.
- Easy to Use…No Special Operator Training.

## How It Works

When the LOR is in the RESET position, one high visibility LED on the nameplate glows a continuous GREEN, giving local indication that coil continuity is intact and the Lock-Out Relay is ready to respond to a trip signal. Should the coil fail, the LED extinguishes and a built-in solid state contact closes, sending a warning signal to SCADA.

In the TRIP position, the red LED functions as a Trip Signal Monitor. As long as the Trip Signal is present on the LOR coil, the LED glows a continuous RED as a warning against manually resetting into a fault and possibly damaging the LOR coil. Other LED colors available (Amber, Blue and White).

The design also retains the proven mechanical orange/black flag to indicate a trip.
Contact your local Electroswitch Representative or call us directly for more details on how we can put the Electroswitch tradition of value and innovation to work for you.

## Ordering Information

Part Numbers for the Series 24 LORs with Lighted Target Nameplate are fairly simple. Find the part number of the product you wish to order in the Electroswitch catalog, then simply add a two letter code after the second digit in its part number. The first letter of the two letter code will always be " P " indicating a Lighted Target Nameplate. The second letter of the code will change depending on the other options as follows.

**A** = One LED, 48/125VDC    **B** = Two LEDs, 48/125VDC    **K** = Two LEDs, 24VDC
Standard LED: Amber.    Standard LEDs: Green & Red    Standard LEDs: Green & Red
**Color Options** - Red, Green, Amber, Blue and White.

**Example:**
A Series 24 Manual Reset Lock-Out Relay with one deck and Trip Coil 'D' is part number **7801D.** The same Lock-Out Relay with a Lighted Target Nameplate, Two LEDs, and 48/125VDC LED voltage would become part number **78PB01D**.
Consult factory for 24VDC and 250VDC.
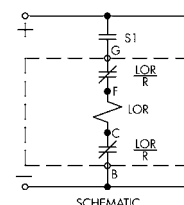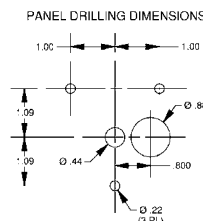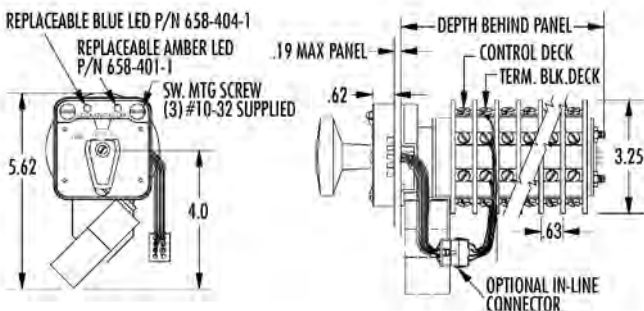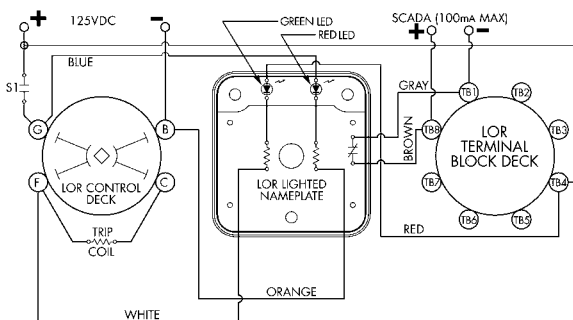


| Depth Behind Panel | |
|---|---|
| **Decks** | **Depth** |
| 1 | 4.28 |
| 2 | 5.03 |
| 3 | 5.40 |
| 4 | 6.15 |
| 5 | 6.90 |
| 6 | 8.15 |
| 7 | 8.78 |
| 8 | 9.15 |
| 10 | 10.28 |
| 12 | 11.75 |
| 15 | 13.45 |