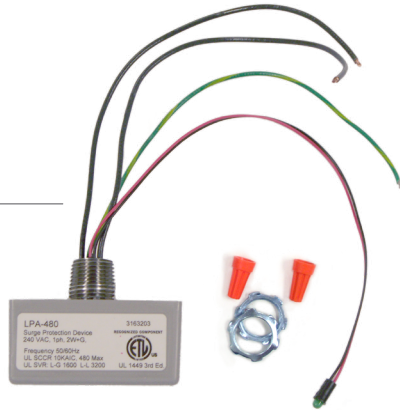


# ACT LPA Light Pole Arrestor

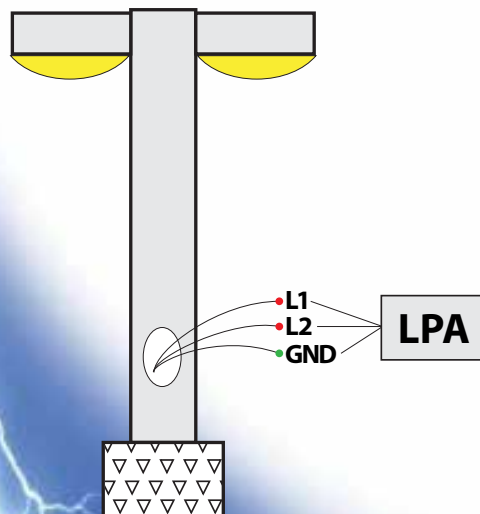


**LPA-480-036-RL**

## ▶ INSTALLATION INSTRUCTIONS

1. Remove electrical cover plate screw
2. Pull wires out of Light Pole and identify the following wires: Phase 1, Phase 2, Ground wires
3. Remove twist cap on first phase wire,
4. Connect L1 wire from LPA to Phase 1 wire.
5. Remove twist cap on second phase wire
6. Connect L2 wire from LPA to phase 2 wire
7. Remove twist cap on Ground wire
8. Connect Green Ground wire to Pole Ground wire
9. If mounting remote LED light into light pole
  - A. Cut LED Red & Black wire
  - B. Drill ¼" hole in light pole electrical cover
  - C. Insert LED leads through hole and pull tight until LED snaps in place
  - D. Reconnect Red & Black wire using twist caps provided

## ▶ TYPICAL INSTALLATION



## ▶ FEATURES AND BENEFITS

- Provides 30kA amps single-pulse surge current Line to Neutral or Line to Ground
- Discrete protection on both Line to Ground and Line to Line
- Protects facilities parking lot lighting against lightning transients
- Protects Point of Equipment like well pumps, motors and computer equipment
- Includes pre-wired pigtails to facilitate quick installations
- Fail Safe Open – Meets UL 1449 4th Edition March 2016
- Indicator Light can be installed remotely
- Remote Relay Option (both NC & NO contacts)
- 1 Year Warranty

## ▶ MECHANICAL SPECIFICATIONS

Dimensions	3" x 2" x 2"
Weight	15 oz
Enclosure - NEMA 4X	Plastic UL-94VO
Operating Temp	-40C to +60C
Non-condensing Humidity	5% to 95%

## ▶ ELECTRICAL SPECIFICATIONS

Connection Method	Parallel
Protection Modes	L-L, L-G
Pre-wired	18" stranded #14 AWG
Status Indicators	Local & Remote LED option
Dry Contacts	Form C NC & NO

Specifications are subject to change without notice

## ▶ STANDARDS MET

- Listed by ETL for UL 1449 5th Edition
- ANSI/IEEE C62.41, C62.45
- ANSI/NFPA 70 National Electrical Code

MODEL NUMBER	SYSTEM VOLTAGE	SYSTEM CONFIGURATION	PROTECT MODE	MCOV	SVR
LPA-240-036	240V	2 Wire +G	L-L	300	800
			L-G	300	800
LPA-480-036	480V	2 Wire +G	L-L	640	1800
			L-G	640	1800

### Options:

- CN ½" Chase Mounting Nipple
- RL Remote Status LED
- RR Remote Relay Board with both NC & NO dry contacts

All tests were performed with 6" lead lengths, positive polarity.  
All voltages measured from the zero reference point.