## RAISED POLE WARNING SWITCH AND INDICATOR

## OVERVIEW

The raised pole warning switch is a normally closed magnetic switch mounted on the outer pole. A magnet, mounted on the inside of the inner pole, keeps the switch contact open when the pole is in the down position (see Diagram 1).

When the light is raised, the magnet moves with the inner pole away from the switch and the contact closes (see Diagram 2).
This completes the electrical circuit to turn on the raised pole warning indicator (see Wiring).


Diagram 1. Pole Down; Magnet Holds Switch Open


Diagram 2. Pole Moves Up with Magnet; Switch Closes

## Wiring



## Three Types of Switch Housings

Side Mount Pull-Up Poles and Thru-The-Roof Push-Up Poles


The switch is housed within a cylindrical clamp that is mounted on the outer pole with screws.

## Top Mount

 Pull-Up Poles

The switch is housed within the mounting flange.

Side Mount Push-Up Poles


The switch is housed within a PVC holder that is mounted in the bottom steady rest bracket.

## Specifications

| Switch |  |
| :--- | :--- |
| Contact | Single Pole Single Throw (SPST) |
| Position | Normally Closed (NC) |
| Current | 0.25 AMPS |
| Power | 3 WATTS |


| Indicator |  |
| :--- | :--- |
| Type | 1891 |
| Voltage | +14 VDC |
| Current | 0.25 AMPS |

CAUTION: If the switch is to be used with a higher current application a relay must be provided to avoid switch failure.

## Switch Housing Locations

If the switch housing is removed during installation, care should be taken to remount the switch in the correct position. Raise and lower the pole and ensure that the switch opens and closes correctly.

## PARTS LIST



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Models 540, 542 Side Mount Pull-Up Poles


| Index | Part Number | Description |
| :--- | :--- | :--- |
|  | LT-S100 | Kit, Raised Pole Warning, 510 Poles |
| 1 | . LT-S347SW | . Switch Assembly, Top Flange, Magnetic, NC |
|  | . LT-S347C-SW | . Switch Assembly, Top Flange C/E, Magnetic, NC |
| 2 | . LT-S337 | . Magnet, Inner Pole |
| 3 | . LT-SZL606 | . Indicator Assembly |
|  | LT-S101 | Kit, Raised Pole Warning, 512, 540, 542 Poles |
| 4 | . LT-S336SW | . Switch Assembly, Donut, Magnetic, NC |
| 2 | . LT-S337 | . Magnet, Inner Pole |
| 3 | . LT-SZL606 | . Indicator Assembly |
|  | LT-S102-A | Kit, Raised Pole Warning, 530 Poles, 2.75" Bracket |
|  | -LT-S102-H | Kit, Raised Pole Warning, 530 Poles, 3.5" Bracket |
|  | -LT-S102-B | Kit, Raised Pole Warning, 530 Poles, 5" Bracket |
|  | -LT-S102-C | Kit, Raised Pole Warning, 530 Poles, 7" Bracket |
| 5 | . LT-S304SW | . Switch Assembly, Steady Rest, 2.75" Bracket |
| -5 | . LT-S304FSW | . Switch Assembly, Steady Rest, 3.5" Bracket |
| -5 | . LT-S305SW | . Switch Assembly, Steady Rest 5" Bracket |
| -5 | . LT-306-SW | . Switch Assembly, Steady Rest 7" Bracket |
| 6 | . LT350C | . . Switch Holder, PVC |
| 7 | . LT-808-2000 | . . Switch, Magnetic, NC |
| 8 | . LT-S318C | . Magnet, Pole End w/Strain Relief |
| 3 | . LT-SZL606 | . Indicator Assembly |

