



UL TYPE  
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496Y

The **UPA 130 Power Alert** reduces the risk of **electrical arc flash** by pre-verifying the electrical isolation from outside of a control panel. Hard wired to the circuit breaker or main disconnect, the UPA flashes whenever voltage is present. Engineered with redundant circuitry, the Power Alert is powered by the same voltage that it indicates.

## OPERATION

The eight detector UPA-130 visually alerts to the presence of dangerous AC or DC (Store Energy) potentials occurring between any combination of the four monitored input lines (L1, L2, L3, GND). Two LED indicators are assigned to each input line and are designated "+" and "-". For each input line carrying an **AC potential** (bi-polar), both the "+" and "-" LEDs will be active. A DC or **Stored Energy potential** will illuminate the "+" LED for the positive line and the "-" LED for the negative line.

The UPA-130 Series is UL Listed under UL File Number E55826.

## 30mm Universal Power Alert

- Verification of Stored Energy Inside A Panel
- Redundant Circuitry
- Fits 30mm Knockout
- 40-750 VAC, 30-1000 VDC

## SPECIFICATIONS

|                          |                      |  |
|--------------------------|----------------------|--|
| <b>OPERATIONAL RANGE</b> | AC SINGLE OR 3-PHASE | 40 to 600 VAC, 50/60/400 Hz, (LINE-TO-LINE or LINE-TO-GND) |
|                          | DC OR STORED ENERGY  | 30 to 1000 VDC, (LINE-TO-LINE or LINE-TO-GND)              |

|                              |  |
|------------------------------|--|
| <b>MAXIMUM RATED VOLTAGE</b> | 750 VAC/1000 VDC (LINE-TO-LINE or LINE-TO-GND) |
|------------------------------|--|

|                             |  |
|-----------------------------|--|
| <b>DETECTION THRESHOLDS</b> | 29 VAC 3-Phase, 40 VAC SINGLE-Phase, 27 VDC (TYP CUTOFF) |
|-----------------------------|--|

|                          |                                     |
|--------------------------|-------------------------------------|
| <b>POWER CONSUMPTION</b> | 1.2 Watts @ 750 VAC (Approximately) |
|--------------------------|-------------------------------------|

|                           |         |                               |
|---------------------------|---------|-------------------------------|
| <b>TEMPERATURE RATING</b> | Operate | -4° to 131°F (-20° to +55°C)  |
|                           | Storage | -40° to 185°F (-40° to +85°C) |

|                  |   |
|------------------|---|
| <b>ENCLOSURE</b> | Totally Encapsulated for Environment Protection |
|------------------|---|

|                     |                         |     |     |     |         |
|---------------------|-------------------------|-----|-----|-----|---------|
| <b>TERMINATIONS</b> | (4) 8 ft, 18 AWG 1000V, | RED | YEL | BLU | GRN/YEL |
|                     | UL-1452                 | L1  | L2  | L3  | GRD     |

|               |       |
|---------------|-------|
| <b>WEIGHT</b> | 7 oz. |
|---------------|-------|

### INDICATOR FLASH RATES (L1, L2, L3, GND)

|                             |     |     |     |     |     |     |      |
|-----------------------------|-----|-----|-----|-----|-----|-----|------|
| 3- Phase Line-To-Line (VAC) | <29 | 30  | 120 | 240 | 480 | 600 | 750  |
| Flashes/Sec (Typical)       | 0   | 1.3 | 4.2 | 5.8 | 7.3 | 8.0 | 8.8  |
| DC or Stored Energy (VDC)   | <27 | 30  | 48  | 110 | 300 | 600 | 1000 |
| Flashes/Sec (Typical)       | 0   | 1.6 | 2.5 | 4.5 | 6.9 | 8.8 | 9.1  |

### GND DETECTOR THRESHOLDS (LEAKAGE ANY PHASE-TO-GROUND)

|   |    |     |     |     |     |
|---|----|-----|-----|-----|-----|
| 3- Phase Line-To-Line (VAC)               | 30 | 120 | 240 | 480 | 750 |
| L1, L2, or L3 To Ground Continuity (OHMS) | 2M | 2M  | 3M  | 5M  | 7M  |
| Detector Included Fault Current (µA)      | 7  | 26  | 38  | 60  | 67  |

### DETECTOR INCLUDED FAULT CURRENT (PHASE-TO-GROUND SHORT)

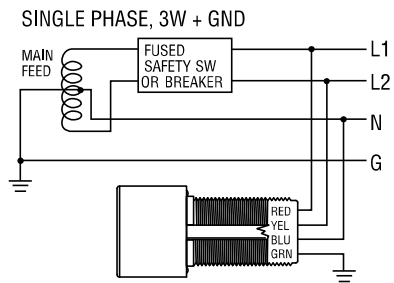
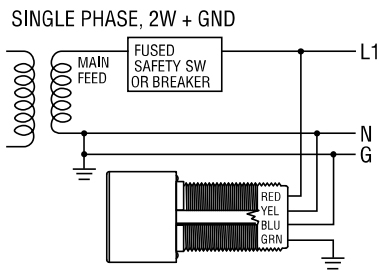
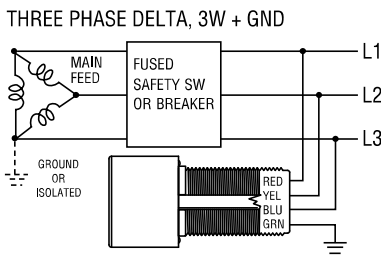
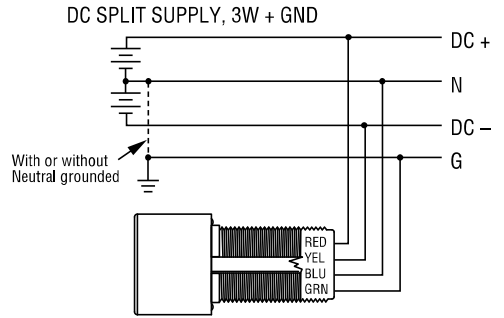
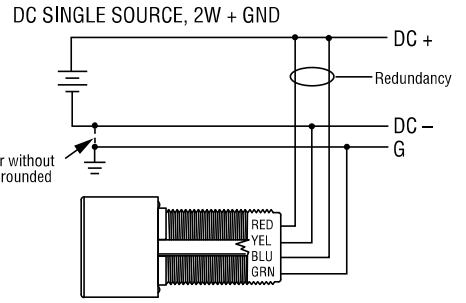
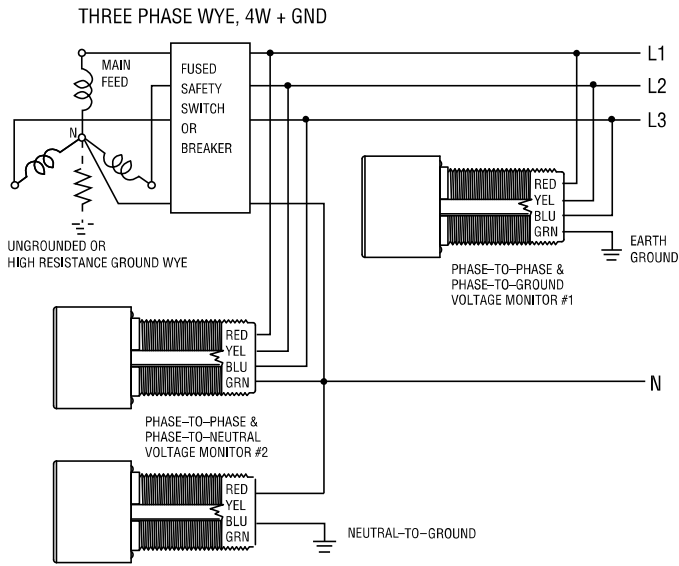
|                                    |    |     |     |     |     |
|------------------------------------|----|-----|-----|-----|-----|
| 3- Phase Line-To-Line (VAC)        | 30 | 120 | 240 | 480 | 750 |
| 0 OHM Phase-To-Ground Current (µA) | 28 | 108 | 219 | 455 | 730 |



## ORDERING INFORMATION

| MODEL NUMBER       | DESCRIPTION  |
|--------------------|--|
| UPA-130            | 30mm Universal Power Alert                                 |
| UPA-130-DIV2       | Class I, Div 2   |
| UPA-130S           | Solid ON   |
| UPA-130-GOV        | Amber LED  |
| <b>Accessories</b> |  |
| UPA-WP130          | ANSI Warning Plate   |
| UPA-BZL-130        | Flush Mounting Kit for 1-1/4" for UPA 130 Conduit Knockout |
| UPA-BZL-DIV2       | Bezel Kit for UPA-130 Div2                                 |
| UPA-BZL-GOV        | Bezel Kit for UPA-130 Gov                                  |
| UPA-BZL-130S       | Bezel Kit for UPA-130S                                     |

# WIRING



# DIMENSIONS (INCHES)

