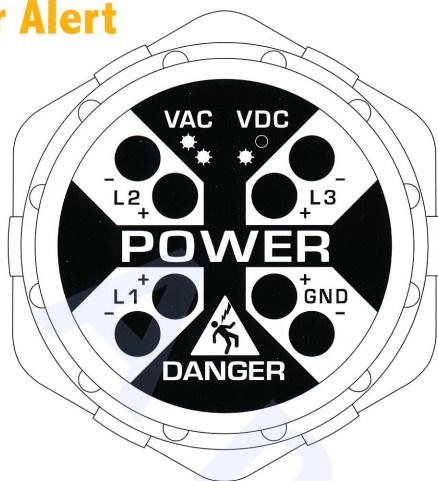


UPA-100 Series**Universal Power Alert**

- Detects Single or 3-Phase AC & DC Voltage or Stored Energy
- Redundant Circuitry
- Verification of Zero Energy in a Panel
- Fits 1-1/4" Conduit Knock-Out



The **UPA-100 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.

OPERATIONS The eight detector UPA-100 visually alerts to the presence of dangerous AC or DC (Stored 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.

**UPA-130 Series****30mm Universal Power Alert**

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



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.

OPERATIONS The eight detector UPA-130 visually alerts to the presence of dangerous AC or DC (Stored 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.

**UPA-200****Universal Power Alert Zero Energy**

- Ideal for use in Lockout/Tagout Procedure
- Enhances NFPA 70E & OSHA Compliance
- Reduces Arc Flash & Electrocutation Risk
- Detects Stored Energy
- Detects Ground Fault Problems
- No Voltage Present on Enclosure Door Panels
- DIN Rail or Surface Mounted Base



UL TYPE
4X, 12, 13

The **UPA-200 Power Alert** reduces the **risk of electrical arc flash** by pre-verifying the electrical isolation from outside of an electrical panel. Hard wired to the circuit breaker or main disconnect, the UPA LED's flash to indicate the presence of hazardous conditions (20-600 VAC & 20-1000 VDC) associated with stored energy. Engineered with redundant circuitry, the power alert is powered by the same voltage that it indicates. The unit is easily installed into the panels through a standard push-button 30mm knockouts.

OPERATIONS The UPA-200 is ideal for mounting on the front controller door panel. The use of fiber-optics on this unit to transmit the LED lights to the enclosure door allows the unit to be mounted on an ungrounded door panel due to no voltage present on panel.

The eight detector UPA-200 visually alerts to the presence of dangerous AC or DC (Stored 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 are designate "+" 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.

Anderson-Bolds ~ 216-360-9800

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

SPECIFICATIONS

OPERATIONAL RANGE

AC SINGLE
40 to 600 VAC,
50/60/400 Hz, or
3-Phase (LINE-TO-
LINE or LINE-TO-
GND)

DC OR STORED
ENERGY

30 to 1000 VDC,
(LINE-TO-LINE or
INE-TO-GND)

MAXIMUM RATED VOLTAGE

750 VAC/1000 VDC
(LINE-TO-LINE or
LINE-TO-GND)

DETECTION THRESHOLDS

29 VAC 3-Phase,
40 VAC SINGLE-
Phase, 27 VDC
(TYP Cutoff)

POWER CONSUMPTION

1.2 Watts @
750 VAC
(Approximately)

TEMPERATURE RATING

Operate:
-4° to 131°F
(-20° to +55°C)
Storage:
-40° to 185°F
(-40° to +85°C)

ENCLOSURE

NEMA 4X 105°C
PVC, Totally
Encapsulated for
Environment
Protection

TERMINATIONS

(4) 8 ft, 18 AWG
1000V, UL-1452

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

SPECIFICATIONS

OPERATIONAL RANGE

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)

MAXIMUM RATED VOLTAGE

750 VAC/1000 VDC
(LINE-TO-LINE or
LINE-TO-GND)

DETECTION THRESHOLDS

29 VAC 3-Phase,
40 VAC SINGLE-
Phase, 27 VDC
(TYP CUTOFF)

POWER CONSUMPTION

1.2 Watts @
750 VAC
(Approximately)

TEMPERATURE RATING

Operate
-4° to 131°F
(-20° to +55°C)
Storage
-40° to 185°F
(-40° to +85°C)

ENCLOSURE

Totally
Encapsulated for
Environment
Protection

TERMINATIONS

(4) 8 ft, 18 AWG
1000V, UL-1452

RED: L1

YEL: L2

BLU: L3

GRN/YEL: GRD

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

3- Phase Line-To-Line (VAC)	<14	20	120	240	480	600	750
Flashes/Sec (Typical)	0	0.9	2.6	3.3	3.7	3.8	3.9
DC or Stored Energy (VDC)	<15	20	48	110	300	600	1000
Flashes/Sec (Typical)	0	0.9	1.9	3.2	3.7	4.0	4.0

Epileptic Photosensitivity Compliance: Below 5-30 Flashes/Sec

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

3- Phase Line-To-Line (VAC)	20	120	240	480	750
L1, L2, or L3 To Ground Continuity (OHMS)	2M	5M	7.5M	13M	20M
Detector Included Fault Current (µA)	4	12	17	20	21

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

3- Phase Line-To-Line (VAC)	20	120	240	480	750
0 OHM Phase-To-Ground Current (µA)	15	105	216	435	684

SPECIFICATIONS

OPERATIONAL RANGE

AC 20-600
VAC/20-1000 VDC

MAXIMUM RATED VOLTAGE

750 VAC/1000 VDC
(LINE-TO-LINE)

DETECTION THRESHOLDS

14 VAC 3-Phase/
18.5 VAC SINGLE-
Phase, 15 VDC
Stored Energy

POWER CONSUMPTION

1.2 Watts @
750 VAC

TEMPERATURE RATING

-4° to 131°F
(-20° to +55°C)

ENCLOSURE

Totally
Encapsulated

TERMINATIONS

(4) 6 ft, 18 AWG
1000V, UL-1452



OSHA 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT)

Following the application of lockout or tagout devices to energy isolating devices, all potentially hazardous stored or residual energy shall be relieved, disconnected, restrained, and otherwise rendered safe. (d)(5)(ii)

If there is a possibility of reaccumulation of stored energy to a hazardous level, verification of isolation shall be continued until the servicing or maintenance is completed, or until the possibility of such accumulation no longer exists. (d)(6)

"Verification of Isolation." Prior to starting work on machines or equipment that have been locked out or tagged out, the authorized employee shall verify that isolation and de-energization of the machine or equipment have been accomplished.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
UPA-100	Universal Power Alert
UPA-100S	Universal Power Alert Solid-ON Red
Accessories	
UPA-WP100	ANSI Warning Plate

MODEL NUMBER	DESCRIPTION
UPA-130	30mm Universal Power Alert
UPA-130-DIV 2	Class I, Div 2
UPA-130S	Solid ON
UPA-130-GOV	Amber LED
Accessories	
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 Div 2
UPA-BZL-GOV	Bezel Kit for UPA-130 Gov
UPA-BZL-130S	Bezel Kit for UPA-130S

MODEL NUMBER	DESCRIPTION
UPA-200-12	30mm Universal Power Fiber Optic Alert 12" Fiber Optic
UPA-200-24	24" Fiber Optic
UPA-200-48	48" Fiber Optic
Accessories	
UPA-WP130	ANSI Warning Plate