

# UPA 130

## Control Panel Voltage Alert



### *What you don't know, can shock you!*

The UPA Control Panel Voltage Alert reduces the risk of electrical arc flash by pre-verifying the electrical isolation from outside of a control panel. Hardwired to the circuit breaker or main disconnect, the UPA LED's flash to indicate the presence of hazardous conditions (70-750 VAC & 30-1000 VDC) associated with stored energy. Engineered with redundant circuitry, the Voltage Alert is powered by the same voltage that it indicates. Available in 2 sizes, the easy to install UPA's fit through standard push-button and conduit knockouts.



- Detects Stored Energy
- Reduces Arc Flash & Electrocutation Risk
- Enhances NFPA 70E & OSHA Compliance



**NFPA 70E Compliant**



**DIVERSIFIED  
ELECTRONICS**

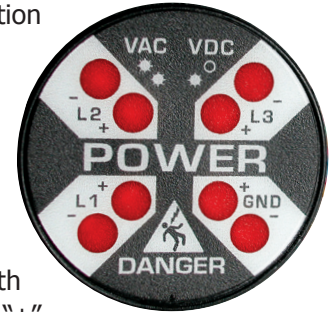
atcdiversified.com

# UPA130 Control Panel Voltage Alert

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

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

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 "-" LED's will be active. A DC or Stored Energy potential will illuminate the "+" LED for the positive line and the "-" LED for the negative line.



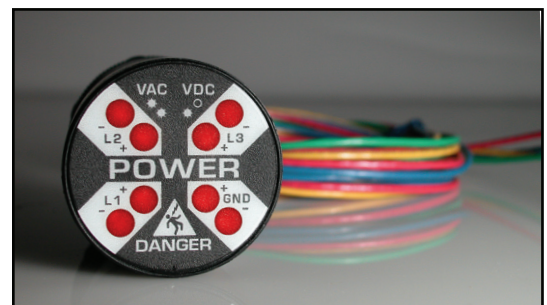
SPECIFICATIONS					
OPERATIONAL RANGE	AC SINGLE OR 3-PHASE	40 to 750 VAC, 50/60/400 Hz, (LINE-TO-GND) (UL Approved 50/60 Hz)			
	DC OR STORED ENERGY	30 to 1000 VDC, (LINE-TO-LINE or LINE-TO-GND)			
MAXIMUM RATED VOLTAGE	750 VAC/1000 VDC (LINE-TO-LINE or LINE-TO-GND)				
DETECTION THRESHOLDS	29 VAC 3-Phase, 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 -UL TYPE 4X				
TERMINATIONS	(4) 6ft, 18 AWG 1000V, UL-1452	RED	YEL	BLU	GRN
		A Ø	B Ø	C Ø	GRD

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 (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 Control Panel Voltage Alert
ACCESSORIES	
UPA-WP130	ANSI Warning Plate



NOTE: For 3-Phase Wye applications, it is normal for the "GND" indicators not to flash unless phase is lost.