

## Area Protection Panel

### Introduction

Area Protection Panels (APP) are designed to monitor multiple points in an electrical system for proper normal source voltages.

Every APP comes with an output contact which changes state in the event of one, or more, areas being out of their correct voltage ranges. Each area is monitored with its' own Phase Failure Relay (PFR) to ensure it is within the proper voltage operating range.

When a failure of any single area occurs, the APP's output contact will change state to give the appropriate equipment a signal to activate.

As normal power returns, the APP's output contact changes back to its normal state to signal the appropriate equipment to deactivate.

### Product Features

- UL 508 Listed
- Rated for up to 600 VAC
- Monitors from 1 to 24 points
- Available Standard Voltages 1 $\phi$  120 or 240 VAC and 3 $\phi$  208, 240 or 480 VAC
- Form "C" dry contacts output to emergency power system.
- Three phase units also monitor phase rotation.
- Solid State Relays
- Visible indication of failed circuit is provided directly on the sending relay.
- NEMA 1 Wall Mountable Enclosure, ANSI-61 light gray.
- Key locking handle provided.
- Engraved identification nameplates for each monitored point located on door.

### Available Options

- Common Failure indicating light, (one light only), mounted on enclosure door.
  - This indicator light will visibly show that there is a problem to any personnel in the area.
  - To determine which area(s) have been affected, a trained operator will have to open the equipment to read which of the PFR lights are on to determine where loss of proper voltage has occurred.
- Area Failure indicating lights, (one per monitoring point), mounted on enclosure door.
  - These indicator lights will visibly show, to any personnel in the area of the APP, which areas have lost proper voltage.
  - Recommended when trained personnel is not available to open the equipment and read which areas have lost power.
- Multiple voltages can be monitored in a single panel. (NOTE: This would be a custom voltage order "S" and voltage quantities need to be specified.)



### APP Order Guide

AP	--	--	-	-	--	-	0	0	0
<b>BASE</b>									
12 = 1 - 12									
24 = 13 - 24									
<b>POINTS</b>									
01 = 1 Point									
02 = 2 Points									
03 = 3 Points									
" "									
23 = 23 Points									
24 = 24 Points									
<b>PHASES</b>									
1 = Single Phase									
3 = Three Phase									
<b>OPERATING VOLTAGE</b>									
A = 120 Vac 1 $\phi$									
D = 240 Vac 1 $\phi$									
B = 208 Vac 3 $\phi$									
C = 480 Vac 3 $\phi$									
G = 240 Vac 3 $\phi$									
S = Custom Voltage (Specify)									
<b>DC VOLTAGE</b>									
12 = 12 Vdc									
24 = 24 Vdc									
<b>DOOR INDICATOR LIGHTS</b>									
0 = None									
A = Common Failure Light									
B = Area Failure Lights									
<b>FOR FUTURE USE</b>									

**Part Number Example:** AP24133B24B000 (13 Monitored Points, 3 $\phi$ , 208Vac, 24Vdc, Area Failure Lights Required)

NEMA 1 Enclosure Dimensions			
MODEL PREFIX	HEIGHT	WIDTH	DEPTH
AP12	30"	24"	6 3/4"
AP24	36"	28"	6 3/4"



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