

Type AP-480 Vac Maximum Ambient/Contactor Controlled Distribution Panel

ETL:
Rated for Ordinary (Unclassified) Locations

Applications

- This ambient distribution panel has been specifically designed for use in freeze protection heat tracing systems operating in conjunction with a single control source.
- This control source can be in the form of an ambient thermostat, snow sensing controller or any similar device.
- The ambient distribution panel can operate in two modes, automatically with the use of a control device or in manual override.
- The panel can also be completely turned off during off-season periods.

System Components

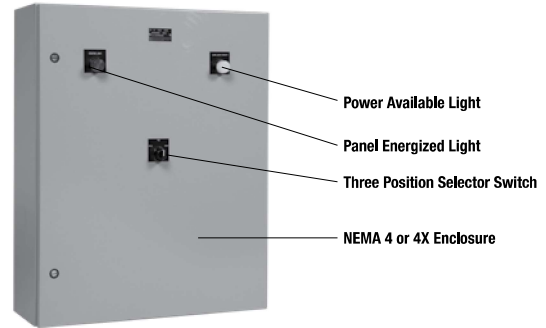
- The ambient distribution panel is supplied in a NEMA 4 or 4X enclosure that can be wall or rack mounted.
- Standard versions are available in 12 (AP6), 30 (AP14) and 42 (AP20)-pole options.
- Branch breakers are available in standard trip or ground fault equipment protection devices.
- Main breaker and contactor combinations are selectable from 100 Amp up to a maximum of 225 Amp.
- The panel is supplied with a three-position selector switch; power available indicating light and a panel energized indicating light.
- Options are provided for external door disconnect.

Features

- Enclosures: NEMA 4 Powder Coated Steel or NEMA 4X Stainless Steel
- Voltage Options: 277/480 Three Phase Power
- Branch Circuit Breakers: 1-Pole, 15-60A Standard; 1-Pole, 15-60A GFEPD (requires 2-pole space); 2-Pole, 15-60A Standard; or 2-Pole, GFEPD (Not Available)
- Main Bus Sizes: 12-Pole (AP6) Option, 225A; 30-Pole (AP14) Option, 225A; or 42-Pole (AP20) Option, 225A

Certifications and Compliances

- UL Standard: 508A
- CSA Standard: C22.2 No. 14



NELSON[™]

DISTRIBUTION SYSTEMS

Type AP-480 Vac Maximum Ambient/Contactor Controlled Distribution Panel

ETL:
Rated for Ordinary (Unclassified) Locations

Catalog Numbering Guide

AP

Product Family
AP - Ambient Control
Panel with USA
Code Approved
breakers

6

Size of Panelboard
(available breaker
poles)
6 - (12) 1-pole
breakers or (6)
2-pole breakers
14 - (30) 1-pole
breakers or (14)
2-pole breakers
20 - (42) 1-pole
breakers or (20)
2-pole breakers

P

Product Family
P - 3 phase power
(480/277 Vac)

4

Type of Enclosure
4 - NEMA 4 (use
for NEMA 12
applications)
4X - NEMA 4X

MB100

Main Breaker
Selection
MB100 - 100 amps
MB125 - 125 amps
MB150 - 150 amps
MB175 - 175 amps
MB200 - 200 amps
MB225 - 225 amps

D

Options
D - Disconnect
Enclosure
SA - Surge Arrestor
(for MI heater
applications)
S - Snowmelt
application

NELSON™

DISTRIBUTION SYSTEMS