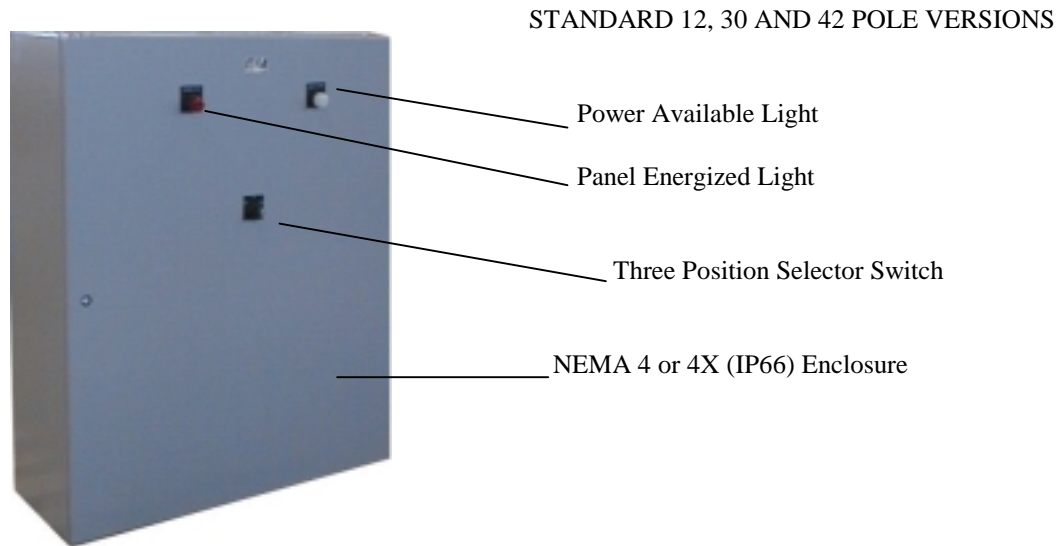


NELSON TYPE API-415/240VAC MAXIMUM SPECIFICATION/APPLICATION

NELSON AMBIENT/CONTACTOR CONTROLLED DISTRIBUTION PANEL INFORMATION



1.1 Description of Ambient Distribution Panel

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.

1.2 Description of System Components

The ambient distribution panel is supplied in a NEMA 4 or 4X (IP66) enclosure that can be wall or rack mounted. Standard versions are available in 12, 30 and 42 -pole options, both three-phase and single-phase. 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 and integral ambient temperature sensing thermostat.

1.3 Standard Features

Enclosures:

- NEMA 4 Powder Coated Steel
- NEMA 4X Stainless Steel

Branch Circuit Breakers:

- 1-Pole, 15-40A Standard
- 1-Pole, 15-40A GFEPD
- 2-Pole, 15-40A Standard

Main Bus Sizes:

- 12-Pole Option, 225A
- 30-Pole Option, 225A
- 42-Pole Option, 225A

Voltage Options:

- 415/240 Three Phase Power
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