Control Panel Specifications

Control panels are to be furnished as factory assembled and wired units manufactured by Powered Aire Inc. Greenville, PA. Standard control panel shall be NEMA 12 enclosure with magnetic motor starter, overload relays, control transformer and terminal provisions for field wiring of a remote hand off automatic selector switch and a door switch. Panels shall be ETL listed.

ENCLOSURES

Construction

Body formed from 16 gauge or 14 gauge steel. Covers are formed from 14 gauge steel. Smooth, continuously welded seams without knockouts, cutouts, or holes. Welded brackets provide for enclosure mounting. Continuously hinged cover is secured with stainless steel clamps and plated steel screws. Oil resistant gaskets are permanently secured. Include a removable 14 gauge inner panel. Weldnuts are provided for mounting inner panels. A bonding stud is provided on the door and a grounding stud is provided in the enclosure.

Finish

Cover and enclosure are phosphatized and finished in ANSI/ASA 61 gray re-coatable powder coating. Removable inner panel is finished in white powder coating.

Standards

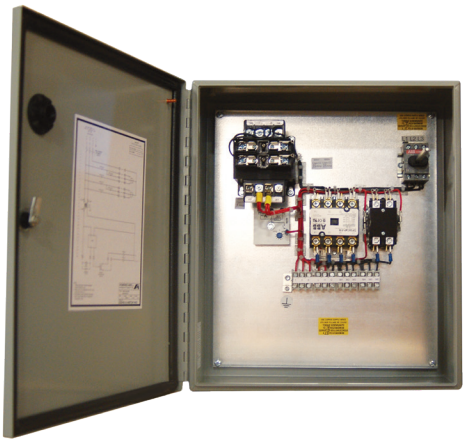
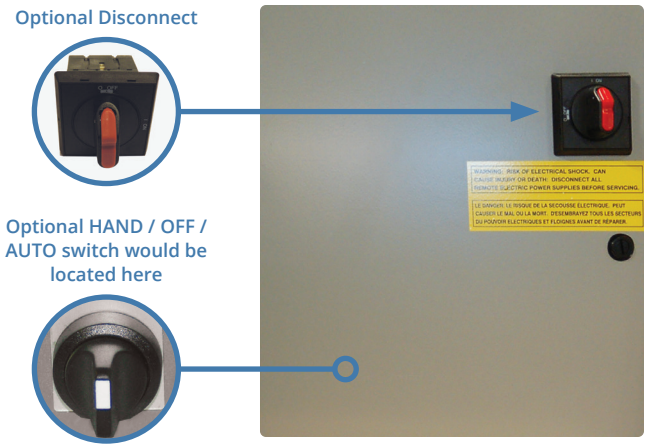
UL508 Type 12, CSA Type 12 Complies with NEMA Type 12 and 13, JIC EGP-1-1967, IEC 529, IP65. Optional NEMA 4X stainless steel enclosures and NEMA type 9, Class II, Division I and Group E, F, or G enclosures for hazardous areas are available.

WIRING & TERMINATIONS

All wiring shall be PVC insulated with a minimum cross sectional area of 1mm2. Where wiring is to be carried across door hinges, this shall be achieved by the use of flexible cable and cable groups shall be loomed and provided with flexible protective sheathing. All line voltage wiring shall be black. All control wiring shall be red. Termination of cables at both equipment and terminal rail end shall be by solderless crimped terminals wherever possible.

OPTIONS

Optional equipment may include HAND / OFF / AUTO selector switch, Emergency Stop Button, Door Switch, Time Delay Off relay, indicator lights, On/Off Switch, etc.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