

# UL 508A CONTROL PANEL

- HVAC
- Process/Industrial
- Pumping Stations
- Waste/Potable Water



UL 508A Control Panels are specifically designed for use in HVAC, industrial or commercial applications. Each panel is engineered and fabricated for simple and easy installation.

Whether the specification requires simple relay logic or complex system design, our diverse engineering and manufacturing capabilities allow us to provide cost-effective reliable solutions.

**SOFT START/VFD**

ABB VFD (Standard)  
Customer Sourced (Optional)

**NON-FUSED DISCONNECT**

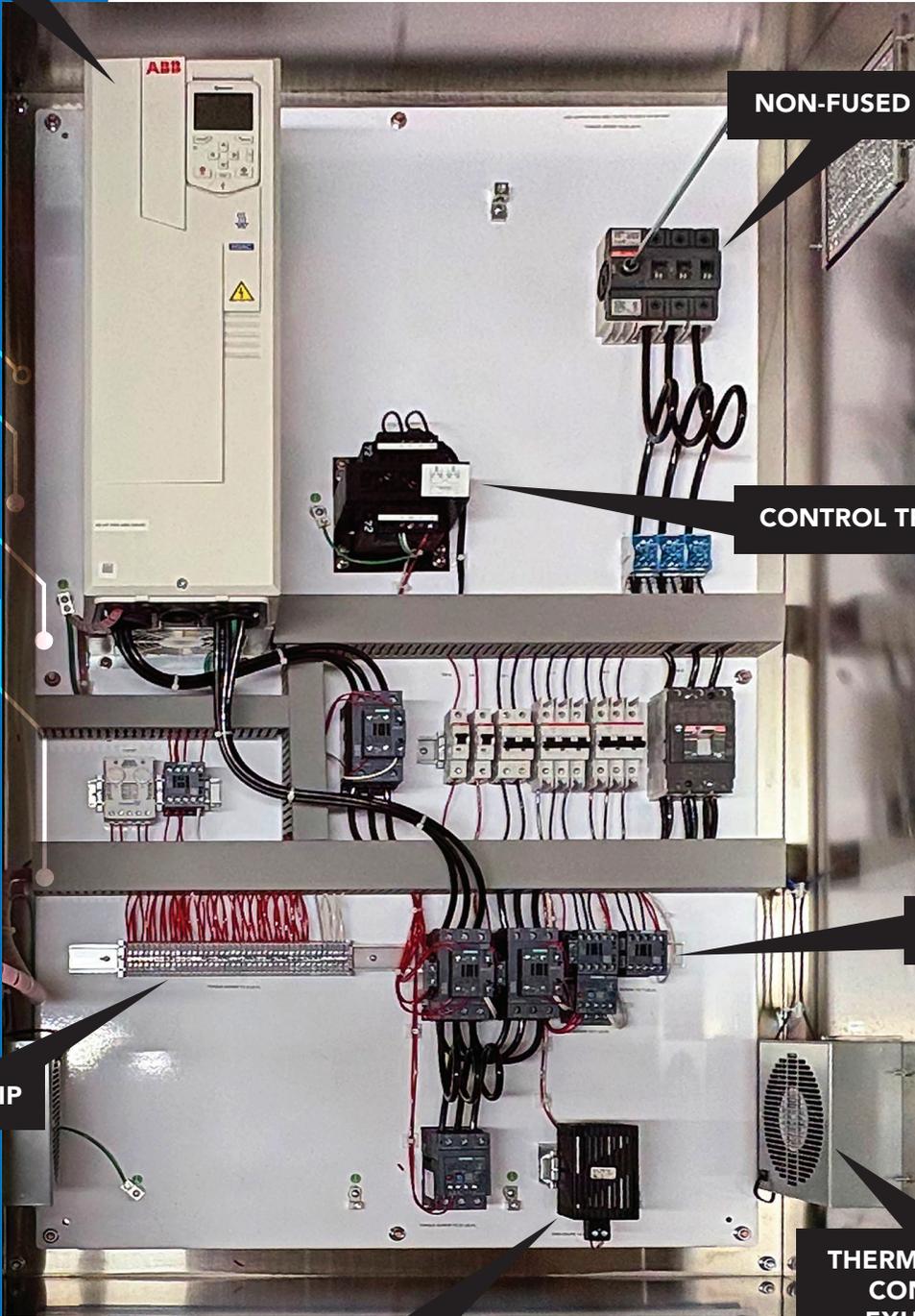
**CONTROL TRANSFORMER**

**CONTACTOR**

**THERMOSTATICALLY  
CONTROLLED  
EXHAUST FAN**

**ANTI-CONDENSATE HEATER**

**TERMINAL STRIP**



## Standard Features

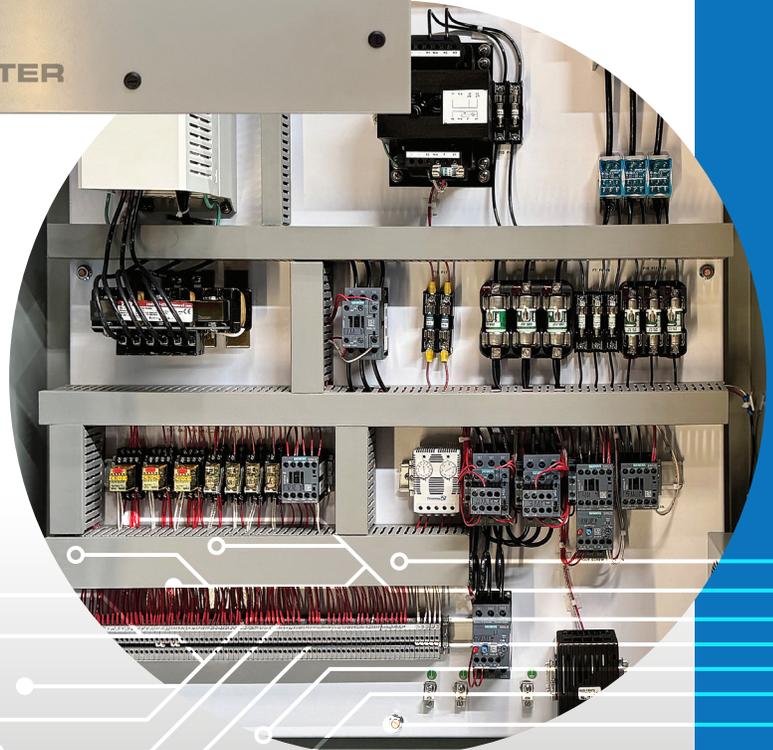
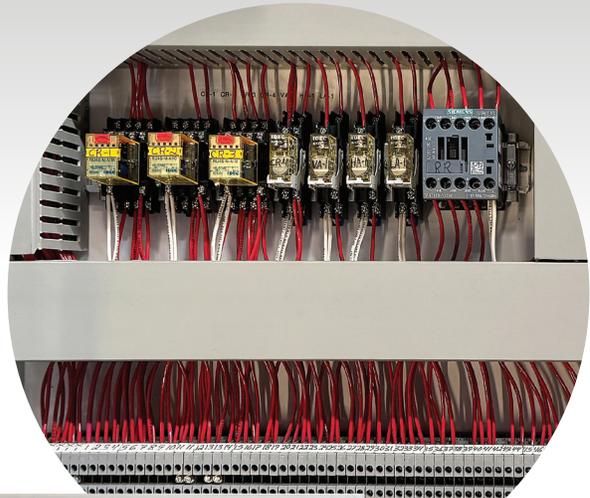
- UL Listing/Label
- IEC Components
- NEMA Type 3R (Outdoor Rated) Enclosure
- Main Non-Fused Disconnect with Door Interlock
- Motor Contactor(s)
- Overload and Short Circuit Protection
- Selector Switch(es), Hand-Off-Auto (HOA)
- Indicating Light(s)
- Control Transformer
- Terminal Strip

## HVAC — Optional Features

- NEMA Type 1, 4, 4X, 12 Enclosure
- Soft-Start, VFD
- Two Speed Motor Starter(s)
- Dual Motor Starter(s)
- Reversing Starter(s)
- Short Cycle Timer
- Deceleration Timer
- Auxiliary Hook-Up Point(s)
- 120 Volt Auxiliary Power
- Remote Signal/Annunciation
- Damper Motor Controls
- Pan Heater(s) Controls
- Pump Starter(s) Controls
- Level Sensor Control/Power
- 120 Volt GFI Service Receptacle
- Thermostat Control
- NEMA Components

## Industrial — Optional Features

- NEMA Type 4, 4X, 7, 9, 12 Enclosure
- Climate Controlled Enclosures
- Soft-Start, VFD
- Two-Speed Motor Configuration
- Reversing Configuration
- Motor Sequencing
- Motor Alternation
- Redundant Systems
- Auxiliary Hook-Up Point(s)
- Remote Signal/Annunciation
- 120 Volt GFI Service Receptacle
- NEMA Components



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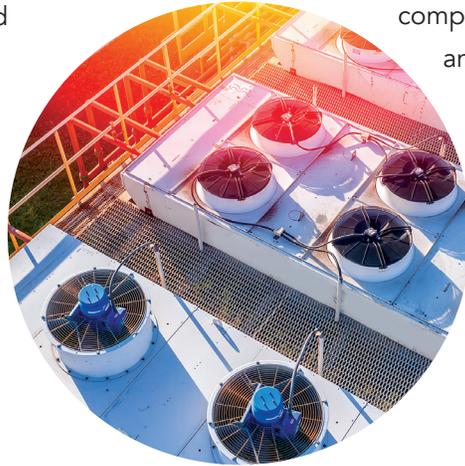
## Application Types

### Base Control Panel

Our UL 508A Control Panel is a fully factory-assembled, wired, and tested system designed for single-point power connection.

Shipped separately for field installation, it includes a clearly marked terminal strip for easy device connections and comes with wiring schematics, operation instructions, and a component list.

Complying with the National Electrical Code (NEC) and Underwriters Laboratories (UL®) standards, the panel features a NEMA Type 3R outdoor rated enclosure with organized wire ducts and separated high and low voltage wiring. Key components include a non-fused main disconnect switch, individual branch circuit protection, a terminal strip, and a control transformer with fusing. Each branch has a magnetic contactor, thermal overload, short circuit protection, pilot light(s), and Hand-Off-Auto (HOA) switch(es), ensuring optimal system operation.



### HVAC Control Panel

The Cooling Tower Control Panel allows for the control of individual fans, pumps, or heaters in the cooling system. It includes essential control components that ensure proper sequencing and protection for each unit, featuring both mechanical and electrical interlocks. Designed to incorporate operational and safety devices — such as thermostats, vibration cutout switches, and high/low water alarms — the panel can interface with building management systems as needed. Standard features support both manual and automatic operation of each motor and heater.

### Industrial Control Panel

The Industrial System Control Panel controls individual pumps, valves, and other devices, providing essential components for proper sequencing and protection with mechanical and electrical interlocks. It integrates operational and safety devices — such as flow sensors, transmitters, and low flow/water cut-out switches — and can interface with building management systems as needed. Standard features allow both manual and automatic operation of each auxiliary device.



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