

CONTROL SYSTEMS



Air Handling Units are made up of different components, each one responsible for a specific process. Alliance Air Products control systems are manufactured to achieve energy savings in the operation of HVAC systems through the efficient control and monitoring of equipment and components that can only be possible through automation.

- ▶ Extremely versatile “universal” controllers.
- ▶ Multiple controller sizes to cover all possible HVAC unit applications.
- ▶ Controllers can be networked together.
- ▶ Optional BACnet.
- ▶ Optional Website User Front-End.
- ▶ Optional remote access via the internet .
- ▶ Simple graphics programming environment.

MONITOR ELECTRICAL ENERGY CONSUMPTION
MONITOR SYSTEM PERFORMANCE
MAINTAIN THERMAL COMFORT CONDITIONING



VARIABLE FREQUENCY DRIVES

By varying fan speed based on demand, variable frequency drives reduce energy costs and provide the most efficient method of air volume control. VFD's have the lowest starting current of any starter type with the current level never exceeding the motor's full load amp rating during start-up or operation. Frequency and motor speed is increased incrementally until the desired speed is met thus reducing stress on motors. VFD's are factory wired simplifying jobsite installation.



INDUSTRIAL CONTROL PANELS

As a UL 508 panel shop, we offer custom panels and single source power panels with our air handlers. A single source power panel simplifies installation at the job site by providing a single point main power connection at the unit. All electrical is in accordance with NEC in NEMA rated enclosures. Other options include step down transformers, marine lights with switch and GFI outlets.

FACTORY INSTALLED CONTROLS

Factory installed temperature and humidity controls are available for systems including economizers, multi-zones, variable air volume control and more. From initial design through testing, Alliance Air Products can provide single source responsibility insuring proper operation at the job-site. Factory installation also prevents jobsite penetrations through the cabinet which may cause leaks. Installation options include factory mounting and wiring of damper actuators, temperature and humidity sensors, pressure switches and other control devices. In addition to convenience and peace of mind to the customer, the service reduces start-up time while achieving a more closer integration of the air-handler with the building control system.

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