



DAP™ III

Data Alarm Processor III

Data Aire's Data Alarm Processor III - (DAP III) continues the tradition of advanced electronic devices from Data Aire for monitor and control of computer room air conditioning units which began in 1977, over thirty years ago. Data Aire was one of the first precision cooling equipment manufacturers to use microprocessor controls, a feature that is now a standard in the industry.

Each generation of these devices has provided more accurate monitoring information and flexibility in controlling the computer room air conditioning unit. The DAP III is a self contained multi-microprocessor based control and monitor system. It has been designed with flash memory and a USB port so modifications to the firmware can be made fast and easily. Should you need to upgrade or change your firmware you can get a new version by simply downloading it from the Internet or an e-mail. Transfer the new firmware to a memory stick, then simply plug the memory stick into the USB port. DAP III will find the file on the memory stick, verify that it is a new version, then transfer the information to the flash memory, and your update is complete!

This generation of the Data Alarm Processor was developed with a modular concept resulting in installation and upgrade flexibility. The basic unit is a display module and a control module, this is the complete system for a ceiling system and provides communication with all major building management systems (BMS) with the addition of a communication card. For floor units, a control expansion module is required. Then for more sophisticated con-



trols options, a relay and analog module is available. The analog and relay modules can be field installed.

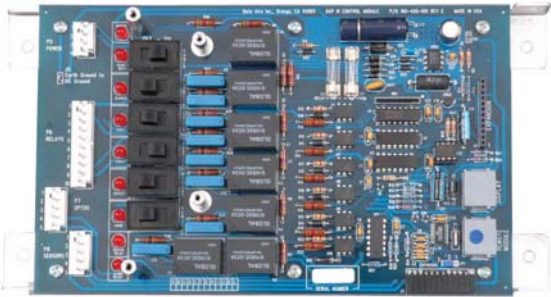
As in the past, the DAP III communicates directly with all major building management system (BMS). Just add a communications card and you are connected. Communication cards are available for Modbus RTU, Modbus ASCII, N2 Metasys, Echelon Lonworks, Modbus TCP/IP, BACnet/IP and SNMPv1 protocols.

To facilitate monitoring and set-up, a new hierarchal menu system is used. All functions are categorized into ten major menu groupings. Under each of these groupings there are multiple sub-menus where the true flexibility of the DAP III resides. You can return to the major menu group by a simple press of a button from any sub-menu, then scroll to another major menu grouping or return to the standard operational mode.

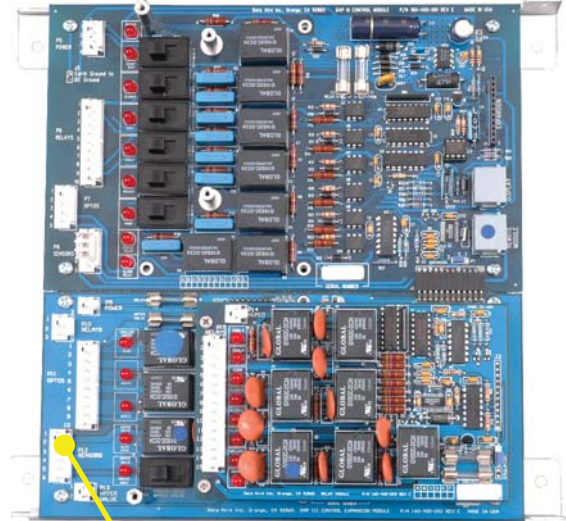
A standard feature of the DAP III is a real time clock allowing you to pinpoint problems, precisely knowing what occurred and when.

DAP III Modules

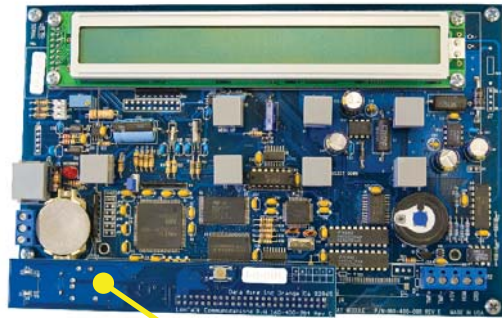
Control Module



Control Module



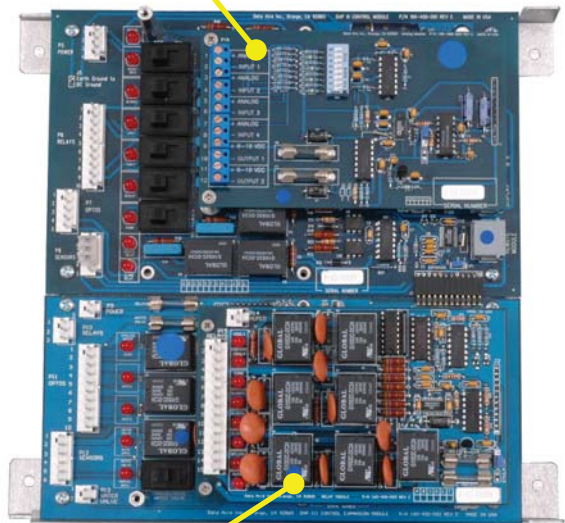
Display Module with Communication Card



Communications card

Control Expansion Module

Analog Module - install on Control Module



Remote Wall Mount Display Unit

Relay Module - install on Control Expansion Module

Data Aire Inc. reserves the right to make design changes for the purposes of improvements, or to withdraw any design without notice.



230 W. BlueRidge Avenue, Orange, CA 92865
 www.dataaire.com
 A member of the CS Group of Companies

800-347-2473
 e-mail: sales@dataaire.com
 ISO 9001 Certified