



## eCUBE Evaporator Package

Your current budget constraints can't support the full refrigeration control system that you need and those simple defrost timers that you have on your valve groups are no longer sufficient. You can't ignore the soaring energy costs, so what do you do now?

Have you considered the possibility of installing localized evaporator controllers? A properly-developed local controller can provide most of the benefits of a full control system. The field-wiring costs associated with localized controllers are minimal and if you select the right unit, your investment will be protected when the budget finally allows you to install the full control system that you so desperately need.

Our eCUBE Evaporator Package is the solution you're looking for. The pre-wired NEMA 4 enclosure comes with full installation telephone support and provides:

- ★ An inexpensive reliable solution...
- ★ A comprehensive local user-interface...
- ★ Local set-point modifications...
- ★ Standalone complete evaporator control...
- ★ Support for all valve group configurations...
- ★ Time or frost sensor initiated defrost...
- ★ VFD or standard ON /OFF fan control...
- ★ Local NH3 level monitoring (requires sensor)...
- ★ Local alarm notifications...
- ★ Full interface capabilities to communicate with a central system...
- ★ Remote master / slave evaporator control from a central control system...
- ★ Capability to detect a central control system failure and temporarily retake control of the local evaporator...

<i>EVAPORATOR AU-1</i>	
<i>AREA Temperature</i>	<i>26F</i>
<i>RETURN AIR Temp.</i>	<i>38F</i>
<i>CURRENT Mode</i>	<i>COOLING</i>
<i>FAN Status</i>	<i>35Hz</i>
<i>NH3 Level</i>	<i>0 Ppm</i>

### Package Features

#### NEMA 4X Case

- Indoor Use Only

#### User Interface

- 128x64 Pixel Backlit LCD
- 18 Membrane Keys

#### Program Language Support

- Std C; Assembler

#### Communication Ports

- Standard RS232 9-Pin
- RS485 Network (128K Baud)

#### Input / Output Signal Support

- Signal Conditioning Board (All STD Digital I/O Levels)
- 10 Digital Inputs
- 3 Hi-Speed Inputs (14 kHz sink)
- 3 Form C Relay Outputs
- 2 Form A Relay Outputs
- 2 Digital Outputs
- 4 Analog Input Points
- 4 Analog Output Points

#### CPU / Memory

- Atmel ATMEGA128 CPU
- 128k Memory (10K OS)

#### Package Support

- Sensor or Time Based Defrost
- Digital or Analog Temperatures
- Stand-alone Operation Mode
- Server Controlled Mode
- Signal Server Slave Mode



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