



eCUBE Ice Maker Package

So, you have this nice ice machine that came fully equipped with a stand-alone controller. What happens when the storage bin door sensors or auger system stops working? Wouldn't it be nice if there was a localized controller that could integrate and control the entire ice-making and transport process? Better still, what if that controller could be integrated into a larger control system that would allow you to monitor all processes from a central point? If you're thinking it can't be done due to the wild variations in ice machine and transport system operational characteristics, you're mistaken.

Our eCUBE Ice Maker Package can be configured to handle the operational characteristics of most ice machine types. The same controller can be configured to simultaneously control your ice transport processes. The pre-wired NEMA 4 package provides:

- ★ An inexpensive reliable solution...
- ★ A comprehensive local user-interface...
- ★ Local set-point modifications...
- ★ Standalone complete process control...
- ★ Cube, Tube, or Flake machine control...
- ★ Manual or automated transport control...
- ★ Local alarm notifications...
- ★ Analog signal-based monitoring / control...
- ★ Full interface capabilities to communicate with a central system...
- ★ Remote master / slave process control from a central control system...
- ★ Capability to detect a central control system failure and temporarily retake control of the local process...

<i>ICE MAKER IM-1</i>	
<i>SUCTION Pressure</i>	<i>17.3 Psi</i>
<i>HOT GAS Pressure</i>	<i>103.8 Psi</i>
<i>CUTTER BAR</i>	<i>OFF</i>
<i>WATER PUMP</i>	<i>ON</i>
<i>AUGER - ON</i>	<i>LSV - ON</i> <i>SSV - ON</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

- Cube, Tube, or Flake Control
- Automated Transport Control
- Stand-alone Operation Mode
- Server Sequenced Mode
- Signal Server Slave Mode



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