



eCUBE Compressor Package

Modern engine room technology has reached a level of complexity that renders electro-mechanically controlled compressors obsolete. Your reliable old recip compressors have become an emergency backup alternative taking up valuable space. What if a cost-effective solution was available to automate those compressors and put them back on-line in a useful capacity?

What about that rack of semi-hermetic screw compressors you have. Wouldn't it be nice to be able to properly stage those compressors as you would with a full-sized engine room?

What if a single solution capable of resolving either issue was available from an organization that has been providing reliable refrigeration control systems for 29 years? Our eCUBE Compressor Package can be configured to handle recip or semi-hermetic screw compressors and provide:

- ★ An inexpensive reliable solution...
- ★ A comprehensive local user-interface...
- ★ Local set-point modifications...
- ★ Standalone compressor control...
- ★ Sequential staging of 3 compressors locally...
- ★ Local alarm notifications...
- ★ Analog signal-based monitoring / control...
- ★ Network capabilities for distributed intelligence applications...
- ★ Full interface capabilities to communicate with a central system...
- ★ Remote compressor control from a central control system...
- ★ Configurations for all major compressor manufacturers' specifications...
- ★ A solution that can even be configured to detect a central control system failure and temporarily take control of the local compressor...

RECIP 1		R-1
SUCTION PSI	264	HPCO
DISCHARGE PSI	1463	LPCO
STATUS	RUN	LOD
LD1 LD2 LD3 LD4		LOT
		AUX

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

- Digital or Analog Pressures
- Digital or Analog Temperatures
- Stand-alone Operation Mode
- Server Sequenced Mode
- Signal Server Slave Mode



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