



For reciprocating compressor packs and associated condenser applications.



- Stand alone or networked
- Registered for Enhanced Capital Allowance (ECA)
- Controls up to 10 compressors
- Controls up to 4 steps per compressor
- Controls up to 3 suction pressures
- Controls up to 12 condenser stages
- Unequal capacity compressor control
- Controlled start up and balanced run hours
- Variable speed fan control
- Short cycle prevention
- Battery supported real time clock
- Set up parameters maintained for restart

Product Data

Compressor Control

Suitable for single or dual temperature packs and externally compounded packs with or without a controlled satellite. The EP6A incorporates unequal capacity compressor control.

Condenser Control

Controls up to 12 condenser stages. Built in option for variable speed fan control.

Interface Units

A range of interface units are available to enable the designer to configure the controller to meet the exact requirements of the system.

Alarms

EP6A will monitor and alarm on 4 pressure inputs, 7 temperatures and 2 inputs, for low level liquid and auto/manual control switch. Compressor status can be monitored via fault inputs and alarms can be displayed locally or announced through the JTL Network.

Display

EP6A incorporates 4 individual displays detailing operational pressures and alarm messages.

Remote Access

If operating within a JTL Network, alarm parameters and alarm settings can be viewed and adjusted remotely.

Suction Pressure Optimisation

Pack energy usage is typically reduced by up to 20% by integrating the pack controller with JTL's OP series of suction pressure optimisers.



Hardware

Pressure transducer inputs	4
Temperature sensor inputs	7
Sensor types supported	JTL 5 kohm NTC thermistor
Pressure display drives	4
Pressure display types	Integral
Voltage-free contact outputs	2
Optically isolated high voltage inputs	2 (240 V max)
Datalogging memory capacity	900 points on 8 channels

Technical Specification

Pressure inputs	1-6 V dc
Pressure input 1	Satellite suction pressure
Pressure input 2	Discharge pressure
Pressure input 3	HT suction pressure
Pressure input 4	LT suction pressure
Temperature input 1	LT suction gas temperature
Temperature input 2	HT suction gas temperature
Temperature input 3	Discharge gas temperature
Temperature input 4	Satellite suction gas temp.
Temperature input 5	Sub-cooled liquid temperature
Temperature input 6	Unused
Temperature input 7	Plant room temperature
Output 1	Watchdog
Output 2	Unused
Relay output rating	5 A resistive (240 V max)
Input 1	Auto/manual control switch
Input 2	Low liquid level
Communications port	RS485 2 wire
Communications data rate	4800 baud
Communications protocol	JTL Jnet zone protocol
Unit dimensions boxed (W x H x D)	347 x 456 x 86 mm
Unit weight boxed	6 kg
Power supply (standard)	230 V 48-62 Hz
(optional)	24 V

Ordering Information

EP6A-BD Complete unit in enclosure with display

Power Supply Options:

For 24 V append-24 to order code



This unit conforms with the relevant EU standards when fitted in accordance with its installation instructions.



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