



## CONTROL SYSTEMS HP120 Condenser Controller



**For compressor pack and standalone condenser applications.**

- Stand alone or networked
- Variable speed fan control
- Floating head pressure control
- Liquid pressure monitoring
- Battery supported real time clock
- Set up parameters maintained for restart



### Product Data

#### Condenser Control

Controls variable speed fans.

#### Alarms

The HP120 will monitor and alarm on 2 pressure inputs and 4 digital inputs, for high pressure plant healthy, fans healthy, inverter healthy and auto/manual control switch. Alarms can be displayed locally or announced through the JTL Network.

#### Display

The HP120 will drive a display 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.

#### Floating head pressure control

Optimum control can be achieved with the floating head control when installed in a JTL network with external temperature monitoring.

## Hardware

Pressure transducer inputs (4-20 mA) .....	2
Pressure display drives .....	1
Voltage-free contact outputs .....	4
Voltage free inputs .....	4
Analogue output (0-10 V) .....	1
Datalogging memory capacity .....	1000 points on 2 channels

## Technical Specification

Pressure input 1 .....	Discharge pressure
Pressure input 2 .....	Liquid pressure
Analogue output .....	Condenser fan speed control
Output 1 .....	Run inverter
Output 2 .....	Split current operation
Output 3 .....	Watchdog
Output 4 .....	High discharge pressure
Relay output rating .....	5 A resistive (240 V max)
Input 1 .....	Inverter healthy
Input 2 .....	Fans healthy
Input 3 .....	Plant healthy
Input 4 .....	Auto/manual control switch
Communications port .....	RS485 2 wire
Communications data rate .....	4800 baud (auto detected)
Communications protocol .....	JTL Jnet zone protocol
Unit dimensions boxed (W x H x D) .....	105 x 120 x 79 mm
Unit weight boxed .....	0.45 kg
Power supply (standard) .....	230 V 48-62 Hz
(optional).....	24 V

## Ordering Information

HP120 .....	Controller
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### 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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