



For compressor pack and standalone condenser applications.

- Stand alone or networked
- Variable speed fan control
- Floating head pressure control
- Discharge superheat control
- Set up parameters maintained for restart



Product Data

Condenser Control

Controls variable speed fans.

Alarms

The HP140 will monitor and alarm on 1 pressure inputs, 1 temperature 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 HP140 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.

Discharge superheat control

The HP140 controller can be set to control the discharge superheat within pressure limits.

Hardware

Pressure transducer inputs (4-20 mA)	2
Pressure display drives	1
Temperature inputs (5k thermistor)	2
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	Not Used

Temperature input 1	Discharge temperature
Temperature input 2	Not Used

Analogue output	Condenser fan speed control
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Output 1	Run inverter
Output 2	Enable cooler
Output 3	Watchdog
Output 4	High discharge pressure

Relay output rating	5 A resistive (240 V max)
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Input 1	High liquid level
Input 2	Fans healthy
Input 3	Cooler OK
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

HP140	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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