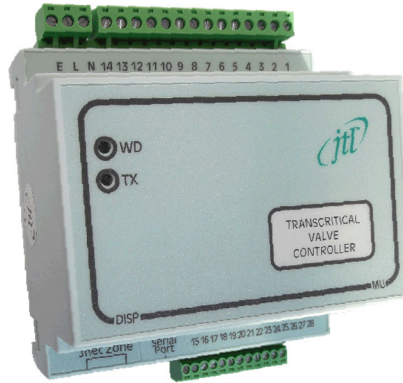


For Transcritical CO2 Gas Cooler and Valve Control

- Stand alone or networked
- Variable speed fan control
- Floating head pressure control
- High pressure valve control
- Adiabatic cooling
- IP communications



PRODUCT DATA

Condenser Control	Controls gas cooler fans and transcritical CO2 valves.
Alarms	The HP350 monitors and alarms on 2 pressure inputs, 2 temperature inputs and 4 digital inputs, for high pressure, fans healthy, adiabatic system healthy, auto/manual control switch. Alarm can be displayed locally and announced through the JTL Network.
Display	The HP350 drives display detailing operation pressures and alarm messages.
Remote Access	If operating within a JTL Network, alarm parameters and alarm settings can be viewed and adjusted remotely.
Transcritical Operation	The HP350 controller switches between subcritical and supercritical control using the current ambient temperature conditions.
HP valve Control	In subcritical mode optimum control is achieved with the floating head control. In supercritical mode the pressure is controlled to a setpoint dependent on the ambient temperature.
Fan speed Control	In subcritical mode the control maintains the liquid at the cooler exit at an appropriate subcooled level. In supercritical mode the control maintains the cooler exit temperature at a fixed offset to the ambient temperature.
Adiabatic Cooling	The HP350 enables adiabatic cooling when required to keep to exit temperature at setpoint.

HARDWARE

Pressure transducer inputs (4-20 mA)	2
Pressure display drives	1
Display types	LCD10, LCD14
Temperature inputs (5k thermistor)	2
Voltage-free contact outputs	4
Voltage-free inputs	4
Analogue output (4-20 mA)	1
Analogue output (0-10 V)	1

TECHNICAL SPECIFICATION

Pressure input 1	Cooler exit pressure
Pressure input 2	Inlet pressure
Temperature input 1	Cooler exit temperature
Temperature input 1	Cooler air on temperature
Analogue output 1 (0-10 V)	Gas cooler fan speed control
Analogue output 2 (4-20 mA)	HP valve control
Output 1	Enable Adiabatic cooling
Output 2	Enable HP valve control
Output 3	Watchdog
Output 4	High discharge pressure safety Interlock
Relay output rating	2 A resistive (240 V max)
Input 1	Auto/manual control switch
Input 2	Adiabatic cooling healthy
Input 3	Fans healthy
Input 4	Valve faulty
Communications port	RS485 2 wire
Communications data rate	4800 baud
Communications protocol	JTL Jnet zone protocol
Ethernet Port	10/100 Base T
Unit dimensions boxed (L x W x H)	105 x 120 x 79 mm
Unit weight boxed	0.35 kg
Power supply (standard)	85-265 Vac (47-440 Hz)
(optional)	85-265 Vdc
	24 V

ORDERING INFORMATION

HP350	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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