



For scroll compressor packs and associated condenser applications.



- Stand alone or networked
- Registered for Enhanced Capital Allowance (ECA)
- Controls up to 10 compressors
- Controls up to 3 suction pressures
- Controls up to 12 steps of 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
- Suction line superheat monitoring

Product Data

Compressor Control	Suitable for single or dual temperature packs with a controlled satellite. The EPLT incorporates unequal capacity compressor control.
Condenser Control	Controls up to 12 condenser stages . Built in option for variable speed fan control.
Defrost Control	When networked up to 6 defrosts per day can be scheduled for each evaporator associated with the compressor pack. Controls up to 28 defrost systems and is suitable for off cycle and electric defrost.
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	EPLT will monitor and alarm on 4 pressure inputs, 7 temperatures and 2 inputs, for low level liquid and auto/manual control switch. Each compressor can be monitored via a fault input and alarms can be displayed locally or announced through the JTL Network.
Display	EPLT 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 can be reduced by up to 20% by integrating the pack controller with JTL's OP series of optimisers, please refer to separate product datasheet.
Legacy Support	EPLT supercedes CPLT and is compatible for on site replacement or upgrade.

Hardware

Pressure transducer inputs	4
Temperature sensor inputs	7
Sensor types supported	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	Not used
Temperature input 7	Plant room temperature
Output 1	Not used
Output 2	Watchdog
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	4800/38400 baud (auto detected)
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).....	110 V

Ordering Information

EPLT-BD Complete unit in enclosure with display

Power Supply Options:

For 24 V append-24 to order code

For 110 V append-110 to order code



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

Doc No. 01962_EPLT_datasheet.pmd Issue 4 April 2003

JTL Systems Limited

Head Office	Newbury	tel: 44 (0)1635 263646
Technical Support Centre	Newbury	tel: 44 (0)871 3157535
Monitoring Centre	Newbury	tel: 44 (0)871 3157531

