



## 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

<b>Compressor Control</b>	Suitable for single or dual temperature packs with a controlled satellite. The EPLT incorporates unequal capacity compressor control.
<b>Condenser Control</b>	Controls up to 12 condenser stages . Built in option for variable speed fan control.
<b>Defrost Control</b>	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.
<b>Interface Units</b>	A range of interface units are available to enable the designer to configure the controller to meet the exact requirements of the system.
<b>Alarms</b>	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.
<b>Display</b>	EPLT incorporates 4 individual displays detailing operational pressures and alarm messages.
<b>Remote Access</b>	If operating within a JTL Network, alarm parameters and alarm settings can be viewed and adjusted remotely.
<b>Suction Pressure Optimisation</b>	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.
<b>Legacy Support</b>	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.

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