



ENERGY SAVING OP100 series Suction Pressure Optimiser



For reducing compressor pack energy consumption.



- Networked product
- Suitable for scroll and reciprocating compressor packs
- Typically reduces pack energy consumption by 20%
- Fully integrated within the controls network
- Registered for Enhanced Capital Allowance (ECA)
- Suitable for use with either CP5H, CPLT, EP6U or EPLT
- Suitable for retro-fitting to JTL installations
- Set up parameters maintained for restart

Product Data

The OP100 range of Suction Pressure Optimisers (SPO) provide the means to significantly reduce compressor pack energy consumption when used in conjunction with the range of JTL compressor pack and case controllers/monitors including most legacy products.

The suction pressure optimiser communicates with the JTL pack controller and with the controllers/monitors of all fixtures associated with the pack. Calculated product temperatures are compared with the set point of each display cabinet or coldroom, based on this information, adjustments are made to the suction pressure set point within the pack controller. The suction pressure is maintained at the highest possible level (within pre-defined limits) whilst ensuring that product temperatures are not compromised.

It should be noted the suction pressure optimiser can only operate within the limits defined within the compressor pack controller.

Substantial savings are realised by minimising compressor run times and ensuring when compressors are run the coefficient of performance is maximised.

With the OP100 range, the evaporators that are being included in the optimisation function are programmed into the optimiser during commissioning. The OP100 optimisers are therefore suitable for use with all JTL evaporator controllers and most JTL monitors.

Hardware

LED display 1

Technical Specification

Display push-button 1 Select function
Display push-button 2 Scroll display
Display push-button 3 Enter selection

Communications port RS485 2 wire
Communications protocol JTL Jnet zone protocol

Dimensions (L x W x H) 260 x 260 x 80 mm
Weight 5 kg

Power supply (Standard) 230 V 48-62 Hz

Ordering Information

OP112 for 12 evaporators
OP124 for 24 evaporators
OP148 for 48 evaporators



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



Doc No. 02048-OP100-series-datasheet.pmd Issue 4 Mar 2004

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