



ENERGY SAVING OP300 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 EPIC pack controller
- Set up parameters maintained for restart



Product Data

The OP300 range of Suction Pressure Optimisers (SPO) provide the means to significantly reduce compressor pack energy consumption when used in conjunction with JTL compressor pack and case controllers and monitors where the evaporator setup data is obtained from data programmed into the evaporator controllers.

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 setpoint 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.

The OP300 optimisers collect the evaporator configuration data from the evaporator controllers into which all the data is programmed. The OP300 then self configures to meet the site conditions. The OP300 is thus suitable for use with JTL evaporator controllers containing the full evaporator data.

Hardware

Technical Specification

Communications port	RS485 2 wire
Communications protocol	JTL Jnet zone protocol
Dimensions (L x W x H)	105 x 120 x 7mm
Weight	0.31 kg
Power supply (Standard)	230 V 48-62 Hz

Ordering Information

OP312	for 12 evaporators
OP324	for 24 evaporators
OP348	for 48 evaporators
OP372	for 72 evaporators



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



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