



For mechanical expansion valve applications with off cycle or electric defrost types.



- Stand alone or Networked product
- Registered for Enhanced Capital Allowance (ECA)
- Cabinet lighting/night blind control
- Datalogging at board level
- Multiple temperature control (up to 3 temperature ranges)
- Keyswitched case clean mode
- Set up parameters maintained for restart
- 3 air off temperatures

Product Data

Temperature Control

SDPN controls the display cabinet temperature by measuring up to 4 air temperatures and operating a liquid line solenoid valve or condensing unit. Multiple point temperature sensing provides increased CPT accuracy. Up to 3 cabinet operating temperatures can be selected when using the SDPN in conjunction with a LCD9 keyswitched display.

Defrost Control

Defrost can be initiated by JTL network communications, external input or by realtime clock within the controller. Suitable for off cycle or electric defrost methods.

In the event of a communications failure the controller initiates a "learned defrost" strategy. Up to 12 defrosts per day can be scheduled.

Alarms

SDPN will monitor and alarm on high and/or low temperatures and if defrosts are not detected. Temperature alarms are inhibited during defrost and defrost recovery. Alarm parameters and delay periods are configurable on site or remotely.

Datalogging

Provides comprehensive alarm reporting and datalogging when connected to a JTL Network

Display

Cabinet temperature, defrost and alarm messages can be indicated locally on a JTL display with or without keyswitch operation.

Remote Access

If operating within a JTL Network, alarm parameters and alarm settings can be viewed and adjusted remotely.

Hardware

Temperature sensor inputs	5
Sensor types supported	5 kohm NTC thermistor
Temperature display drives	1
Temperature display types	LCD8 & LCD9
Voltage-free contact outputs	3
Optically isolated high voltage inputs	1 (240V max)
Datalogging memory capacity	1000 points on 3 channels

Technical Specification

Temperature sensor input 1	Air On
Temperature sensor input 2	Air Off 1
Temperature sensor input 3	Air Off 2
Temperature sensor input 4	Air Off 3
Temperature sensor input 5	Defrost termination
Output 1	Blind closed/Lights off
Output 2	Defrost control
Output 3	Liquid valve
Relay output rating	5 A resistive (240 V max)
Input 1	Defrost input
Communications port	RS485 2 wire
Communications data rate	4800/38400 baud (auto detected)
Communications protocol	JTL Jnet zone protocol
Controller dimensions boxed (L x W x H)	245 x 95 x 50 mm
Controller weight boxed	1.05 kg
Power supply (Standard)	230 V 48-62 Hz
(Optional)	110 V

Ordering Information

SDPN Controller

Power Supply Options:

For 110 V append-110 to order code

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

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