



For thermostatic expansion valve applications

- Stand alone or Networked product
- Cabinet lighting/night blind control
- Fan control
- Multiple temperature control (2 temperature ranges)
- Keyswitched case clean mode
- JTL PREDICT defrost enabled



Product Data

Temperature Control

UBPA controls the display cabinet temperature by measuring two air temperatures and operating a liquid solenoid valve. Two cabinet operating temperatures can be selected when using the UBPA in conjunction with an LCD9 keyswitched display.

Defrost Control

Defrost can be initiated by JTL network communications or by real time clock within the controller. Suitable for use with all common defrost methods.

This controller supports JTL PREDICT and co-ordinated defrost scheduling.

In the event of a communications failure, the controller initiates a “learned defrost” strategy or a preprogrammed schedule.

Up to 12 defrosts per day can be scheduled.

Trim Heater Control

There are 4 separate strategies for trim heater control.

- Controlled with an adjustment received from the network.
- Controlled to a fixed percentage output which can vary in and out of trading hours.
- Controlled to set percentage output.
- Switched off when controller shutdown using display keyswitch.

Alarms

UBPA will monitor and alarm on high 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
Temperature sensor types supported	PT1000 resistor
Temperature display outputs	1
Temperature display types	LCD8, LCD9
Voltage-free contact outputs	5

Technical Specification

Temperature sensor input 1	Air On
Temperature sensor input 2	Air Off
Temperature sensor input 3	Evaporator
Temperature sensor input 4	Suction Line
Temperature sensor input 5	HGD air on or Defrost Termination

Output 1	Blind closed/Lights off
Output 2	Fan Control or heater control
Output 3	Trim heater control
Output 4	Defrost control
Output 5	Liquid valve control

Relay output rating (Outputs 1-5)	2 A resistive (240 V max)
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Communications port	RS485 2 wire
Communications data rate	4800 baud
Communications protocol	JTL Jnet zone protocol

Controller dimensions (L x W x H)	105 x 120 x 79 mm
Controller weight	0.30 kg

Power supply	85-265 Vac (47-440 Hz)
.....	85-265 Vdc

Ordering Information

UBPA	Controller
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PREDICT® is the patented JTL pattern recognition algorithm for providing defrost on demand for the cabinets on a system.



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

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