



- Pulsed expansion valve or solenoid valve control
- Defrost control
- Pan heater / auxiliary heater control
- Fan control
- Lighting / Night blind control
- Temperature display
- Local/Remote alarms
- Network ready

JTL offers a comprehensive family of evaporator controllers for most types of display cabinets and coldrooms.

Over 30,000 units are now installed in a wide range of applications including department stores, supermarkets, convenience stores, distribution centres and food production plants.

JTL evaporator controllers form part of a fully integrated control, monitoring and alarm system offering significant operating cost savings, ease of installation and operation while ensuring optimum merchandise quality.

JTL evaporator controllers offer many benefits including :-

- Improved merchandise quality through close temperature control
- Opportunities for energy savings and lower pollution levels
- Simple set-up for reduced maintenance and commissioning costs
- Adaptive control for efficient and reliable operation
- Alarms for reduced stock losses
- Award-winning control strategies for improved performance
- Proven reliability over a period of more than 10 years



## Description

### Temperature Control

JTL evaporator controllers control either solenoid valves for use with traditional expansion valves or Pulsed Expansion Valves (PEVs).

Cabinet or coldroom temperature is maintained at the ideal level by controlling valve operation to an optimised air off temperature setpoint. The air off setpoint is continually adjusted to a level appropriate to the current operating conditions, so evaporator performance is adapted to cope with day/night and summer/winter running.

This approach allows very close temperature control for improved merchandise quality.

The SUCCEEDS controllers additionally ensure that any risk of liquid being delivered to compressors when using pulsed expansion valves (a significant risk with other control methods under various conditions) is eliminated.

### Energy Saving

The use of PEVs with SUCCEEDS controllers allows the electricity used by compressors to be significantly reduced (by about 30%).

Savings can also be made with all JTL evaporator controllers by using the additional optimising features provided by the JTL integrated refrigeration control system.

Datasheets for specific evaporator controllers are available from the JTL Systems Newbury office.

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