

## Anti-Condensate Controller System

Why continue to waste energy on unnecessary heating of refrigerated cases with glass doors, when ICON can provide immediate savings?

Heaters are installed into refrigerated display cases with glass doors to prevent condensation from forming on the glass. The heaters are typically unregulated and irrespective of the ambient humidity and temperature the power demand remains constant.

The ICON will dramatically reduce energy consumption by regulating the power output to the anti-sweat heaters and still prevent condensation.

The ICON controller handles all aspects of anti-sweat heater control. The onboard processor calculates the required heater 'on' time based on the dew point and door temperature readings and controls an on board Triac to pulse the power supply.



Authorised User No. 00306

## Lighten your Load

A dew point sensor is located close to the case and provides ambient conditions whilst a small temperature sensor is mounted on the door frame.

The power supply to the door heaters is wired directly through the ICON which is rated at 20 amps and will also provide power to the control circuitry.

This ensures the ICON is easy to install in either new or existing and operational cases.

By connecting a hand held terminal to the controller the door temperature, door temperature set-point, calculated external ambient dew point and duty cycle can all be measured. The duty cycle is a direct xpercentage savings of energy consumption.

In locations with multiple adjacent glass door cases a single sensor can provide humidity and temperature data for multiple ICON controllers.



## Key Features

- Instant energy savings with fast pay-back
- Easy to install
- Minimum power for maximum benefit
- Local dew-point calculation
- Door/frame temperature measurement
- Savings and performance visible through hand terminal