

SWEAT

THE SMALL STUFF.

SweatMiser Anti-Sweat
Controllers from Hillphoenix

Hillphoenix

A DOVER COMPANY

Anti-sweat = anti-wasted energy.

Refrigeration accounts for fully 50% of a supermarket's total energy costs, with 30- 40% of that directly related to compressor run time. It's easy to see how small fluctuations in compressor loads — up or down — can really affect total energy consumption. Moisture collecting on the doors of refrigerated (MT) cases and freezers (LT) can increase refrigerator loads and even lead to coils icing up, a major maintenance headache. Retailers install anti-sweat heaters to combat the moisture and head off a much bigger maintenance problem.

Some “fixes” become a part of the problem.

The solution to reducing moisture on case doors is relatively simple. Monitor the dew point outside the case and keep frame and glass temperatures above it. Traditional anti-sweat heaters do a decent job of that.

But energy costs and wear and tear on the system can actually climb because traditional anti-sweat heaters are a 24/7 proposition. They're usually wired straight to the circuit panel and are at full load 100% of the time, consuming an excessive amount of energy. Doesn't matter what the season. Doesn't matter what the dew point is inside the store. Working at a constant rate to control dew point uses up a large amount of energy.

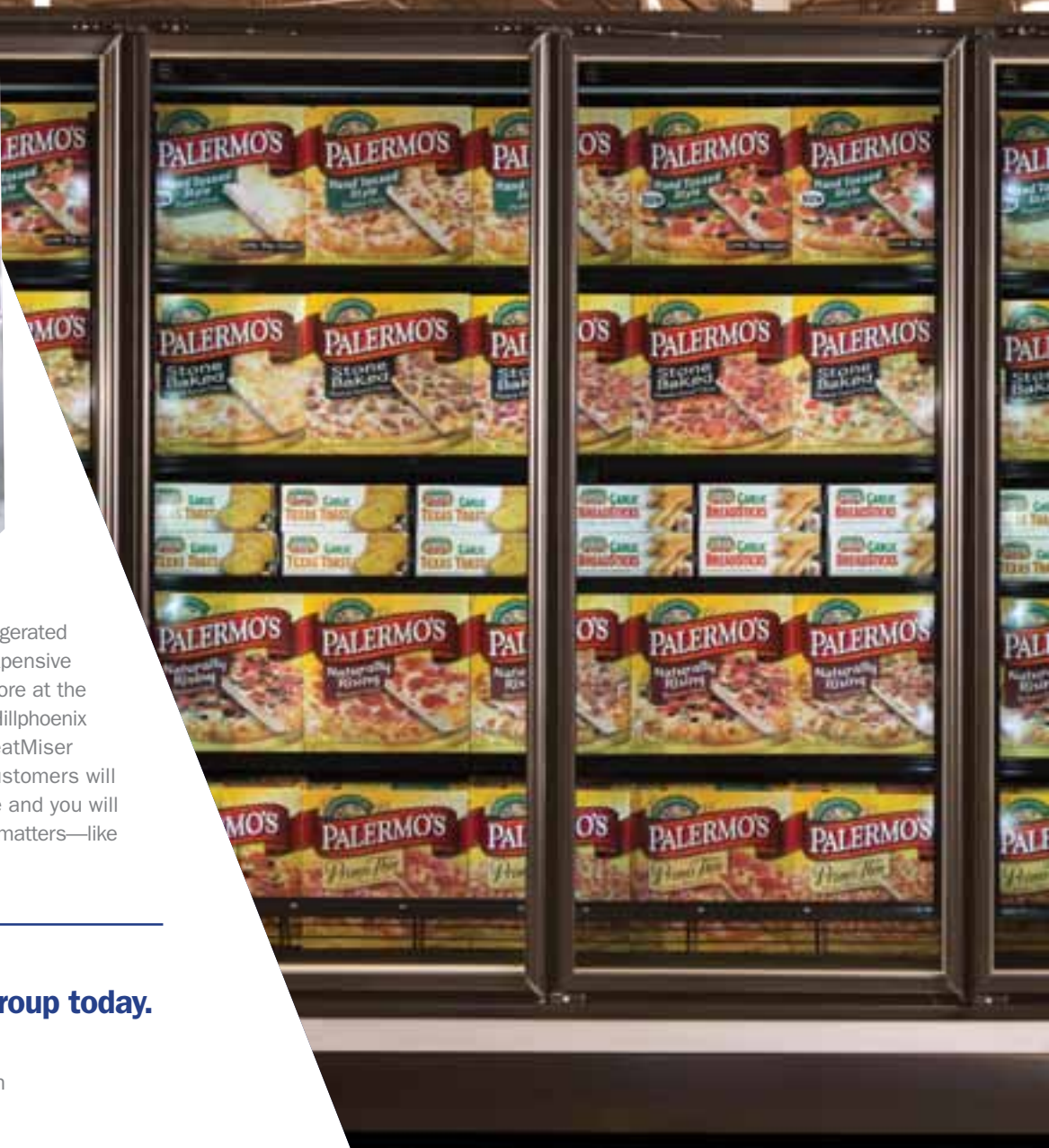
During the summer months (more humidity in the air), it takes more heat to control the sweat vs. the cooler months (less humidity in the air). Heat requirements vary throughout the year—why not vary the power usage with them?

SweatMiser Anti-Sweat Controllers break with tradition.

SweatMiser Anti-Sweat Controllers do a better job than traditional controllers and dramatically reduce operating costs by working in “pulse mode.” Rather than being always on, SweatMiser Anti-Sweat Controllers by Hillphoenix don't need a constant diet of full power operation to get the job done. Instead, they use solid-state relay technology to pulse electric current to the existing anti-sweat heaters to maintain frame temperatures above the store's dew point. The pulse rates can even be varied to address the different demands of “problem” cases such as ice cream freezers and end caps.

Remote interface is one more advantage of the SweatMiser. Connectors on the unit are designed to interface with virtually any energy management system on the market. Units can be programmed to reduce loads in critical times and dramatically reduce operating costs. Once the remote interface is installed, operators can even monitor and change modes and monitor savings percentages without ever going near the installation. The real break with tradition? SweatMiser delivers a superior return on investment—usually less than two years.





No sweat.

Want to keep moisture off the doors of your refrigerated display cases?... save energy?... and keep expensive service techs at the shop and out of your store at the same time? No sweat. Simply contact your Hillphoenix AMS representative and ask to have SweatMiser Anti-Sweat Controllers installed. Your customers will have an improved shopping experience and you will have time to sweat the stuff that really matters—like the savings on your electric bill.

Contact The AMS Group today.

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Hillphoenix® /  Sweat Miser

Fresh thinking.
Responsible solutions.™