

RDT EcoSmart



The **RDT EcoSmart** is an electronically operated evaporator controller designed to save energy in walk-in freezer and cooler applications. EcoSmart provides on-demand defrost, reduced compressor runtime, reduced fan cycling, alarm notification by text/e-mail and remote monitoring/system control.

Simplified Installation. The EcoSmart controller is equipped within the RDT evaporator coil with (3) temperature sensors factory-wired within the coil slab. The evaporator is powered from a house circuit and requires no control wiring back to the refrigeration system.

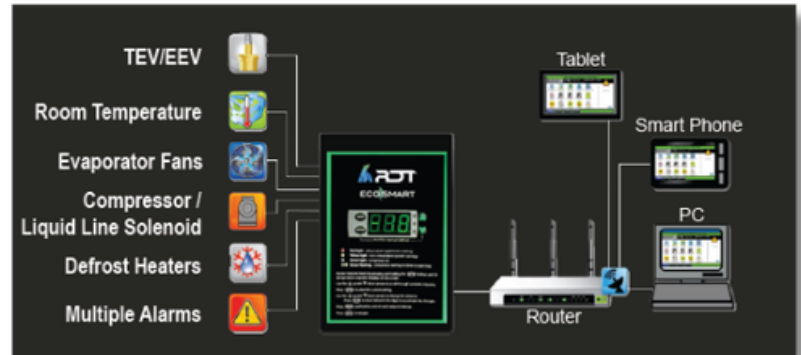
How the EcoSmart works.

In a low temp application, the EcoSmart control system relies upon algorithm intelligence which is capable of detecting frost buildup on the evaporator, and, by analyzing (3) factory-wired temperature sensors, initiates a defrost cycle only when needed. In a medium temp application, the EcoSmart uses the same intelligence and sensors to initiate fan cycling of the medium temperature evaporator coils. Both medium and low temp applications experience energy savings, many times recouping the cost of the controller within 12 months.

FEATURES & BENEFITS

- Eliminates unnecessary defrosts which are typically associated with time based alternatives
- Maximizes energy efficiency with fewer defrost cycles, resulting in less compressor runtime
- Allows for alarm notifications and remote monitoring
- Eliminates excessive temperature swings
- Eliminates ice formation on floors and ceilings
- Allows for precise superheat control with optional electronic expansion valve (EEV)

Up to 50% Energy Savings!



When tied to a local area network, the EcoSmart controller's information can be accessed, reviewed, and changed from anywhere there is network access.

The EcoSmart home page displays real time system information and shows the interaction of multiple system conditions. Service technicians can gather a great deal of information about the system performance before making a service call.

The home page reveals a wealth of information, including temperature graphs, which can be printed for compliance reporting.



EcoSmart protects your valuable cold storage product investment and allows you to receive e-mail/text alerts immediately upon alarm events within your walk-in cooler or freezer.