Spillover Fan for Digital Thermostat
Installation Instructions

Fan

The Spillover Fan should be installed on or in the barrier dividing the freezer and refrigerator sections, at about mid-height. Air flow must be from freezer into refrigerator, and if the fan is mounted correctly the label will be visible from the refrigerator side. Install the supplied guards to protect the fan blades. A return air path must be established at the top of the barrier to allow air back into the freezer. This can either be a gap at the top of the barrier (1" should be sufficient), or 2 or 3 holes of min 2" diameter. All other holes, gaps, etc, must be sealed, including drains, and the barrier must be completely sealed on both sides and bottom.

"Coastal" Thermostat

Follow the instructions and wiring diagram supplied with the Coastal thermostat. The Spillover Fan and Thermostat must be powered by an independent 12v supply. This may be from a breaker on the electrical panel or via an in-line fuse from the same supply that is feeding the refrigeration system. The Spillover Fan and Thermostat must be protected by a 2 amp fuse or breaker. Do not power the Spillover Fan and Thermostat from the fan terminals on the controller.

Sensor

The thermostat sensor must be mounted on a wall of the refrigerator box or the barrier, at approx mid-height. Avoid mounting the Sensor where the fan will blow directly onto it, or where it is likely to be in contact with foodstuffs and/or packaging/containers. Use a wire-tie or similar to secure the Sensor and to insulate it from the box wall or barrier. The 10' wires on the Sensor may be extended if necessary, and if so, soldered connections are recommended.

Operation

The set point temperature must be set on the Coastal thermostat according to the desired temperature in the refrigerator compartment. This may take some trial and error before the ideal temperature is achieved. A period of at least one day is suggested between changes in settings.