

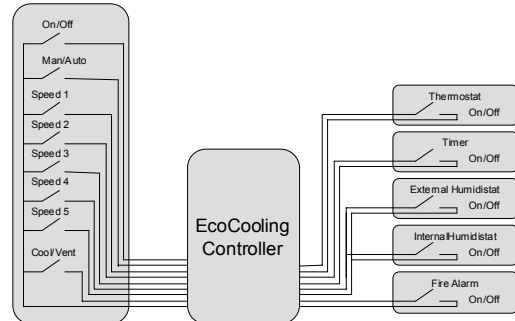


## Control

### Control of Functions

All functions to the cooler are controlled by switches. The standard operator controls can be replaced by any system which can open or close these contacts.

The fan speed is controlled in five steps from maximum down to 40% speed.



### Automatic Mode

In automatic mode the system monitors the thermostat every 10 minutes and moves the speed up or down in the following sequence.

Off

Speed 1, Vent  
Speed 1, Cool  
Speed 2, Cool  
Speed 3, Cool  
Speed 4, Cool  
Speed 5, Cool

The cooler always starts Auto Mode from Speed 3, Cool. If the humidistat contacts are made the cool function is disabled.

### Set Parameters

In the control box there are a set of dip switches. The cooler is delivered with these set to accommodate the most common set up for most installations. They can be changed to give different operations as shown opposite

Switch 1	Pre Cool Cycle
Switches 2- 4	Salinity Concentration
Switch 5	24 Hour Dry Cycle
Switch 6-7	Fan Maximum Speed
Switch 8	Enables complete stop in auto mode

### Water Level and Salinity Control

EcoCooling evaporative coolers are controlled using four level probes. These have the following functions:

- to measure the volume of water entering the cooler and then start the drain cycle when a set concentration is reached
- to protect the cooler from overflow
- to ensure the cooler is fully drained.

