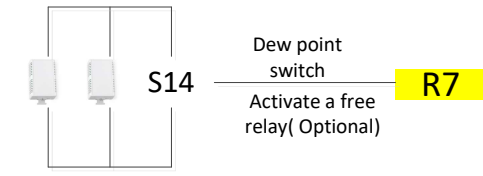


Resol controller switches over Heating Mode and Cooling Mode Automatically. Switching over two modes depends on Outdoor Temperature reading, Manual Seasonal Switch or Both. In the simulation, The controller switches to cooling mode by outdoor temperature above 24° C and a manual seasonal switch (S7). So when outdoor temperature is higher than 24° C and also home owner closes the seasonal switch, the controller is with cooling mode.

Whichever room(s) has cooling demand, the corresponding zone valve is energized to be opened. Note: “different from heating demand ( close contact & call for heat), cooling demand is present when room Thermostat’s contact is OPEN.” Also, when cooling demand is present, HC pump is running and 3-way valve (R6) switches to cold source ( chilled water). Mixing valve has floating control, it is open or close to reach pre-set flow temperature at Flow sensor. Cooling activities above will stop whenever any of dew point switch is closed, and another free relay R7 is activated.



Cooling logics can be executed in Resol DeltaSol MX, Resol HC MAX, Resol BX PLUS controllers.

