

Fig. 502.15(1): Optimum RH Ranges

Following are some of the strategies that can be adopted in order to control relative humidity in supplied fresh air and room spaces.

- A. It is important to continuously monitor the ambient air and supplied fresh air temperature and relative humidity, as ambient condition varies substantially. Controlling the supplied fresh air temperature and relative humidity at all varying conditions, ensures space comfort requirements are met. This can be established by providing a temperature and RH sensors connected to a central Building Management System (BMS). The central BMS is responsible to monitor and control temperature and humidity at varying ambient conditions, by appropriately controlling chilled water flow and supply air flow through VFD controls.

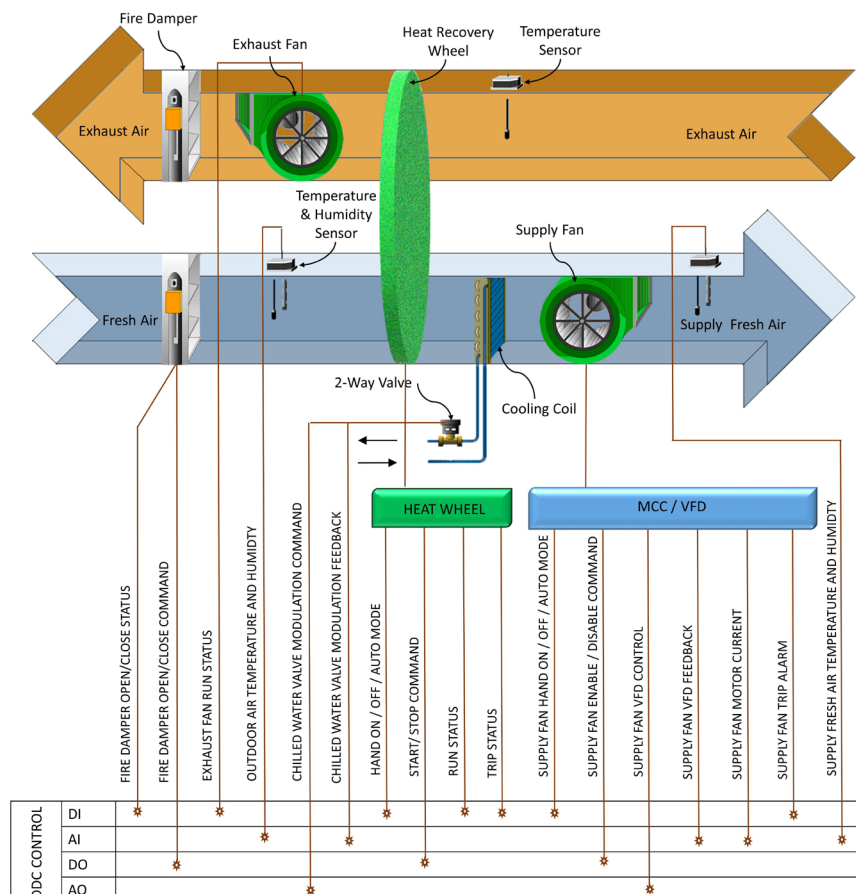


Fig. 502.15(2): Fresh Air Fan BMS Control Schematic