

**Project:** Redeemer Lutheran Church

**Location:** Winter Park, FL

## VRV III

### Challenge:

*A system that maintains a proper humidity level for the leather in the pipe organ and keeps a constant temperature in the upper level of the sanctuary. It also needs to provide conditioning of the choir loft separately from the rest of the congregation, while still maintaining the correct mix of fresh air.*

### The Solution:

*One VRVIII System separates the sanctuary into three levels. It provides conditioning at each level using fan coils. The entire system is controlled through an Intelligent Touch controller which can be expanded upon as existing systems around the property are retrofitted to Daikin equipment. As part of the long range plan of the church, it fits nicely in being able to provide a building automation solution that is expandable.*

Zoning the sanctuary with the Daikin VRVIII system allowed the church to provide a fan coil for the pipe organ in the upper level. In doing so, it maintained a separate temperature for the congregation. This is something the existing system was not capable of. The temperature had to be maintained at a constant 72 degrees to keep the pipe organ from going out of tune. In zoning the organ and the choir loft, it allowed for the conditioning of the building to suit everyone's needs.



### Project Information

Contractor: Anton Martin  
English Air

Distributor: Dave Sheffield  
Coastline Distribution

End User: Pastor Stan Reinemund  
Redeemer Lutheran Church

### Daikin AC Equipment

- 1 (Model # RXYQ192PTJU ) Outdoor Unit
- 3 (Model # FXTQ54PAVJU) Indoor Unit
- 2 (Model # FXAQ18MVJU) Indoor Unit
- 1 (Model # FXSQ18MVJU) Indoor Unit
- 1 I-Touch Controller