



72°

60°

Title 24 and Zoning

The California Energy Commission since 2014 has required that almost all of the conditioned air from residential HVAC systems be delivered back into the home. Additionally, to help maintain the comfort set points in two-story or very large homes, it is common to add zoning to the system and provide additional thermostats to control each zone. How is this accomplished?

Using Re-Directed Air

One common design methodology used to meet this criteria is to install a relief (bypass) damper. When this design methodology is used, the damper helps to relieve excess pressure from the system by redirecting air into a part of the home where precise temperature control is less critical for home comfort. This is typically experienced when one zone calls for air and other zones do not call for air. This damper directs air to a register in a part of the home in which people are less likely to spend significant time. This means that you may feel conditioned air from this register (warm or cold depending on the season) going to a hallway, stairway or other part of the home. Please note that this is normal operation and should be expected.