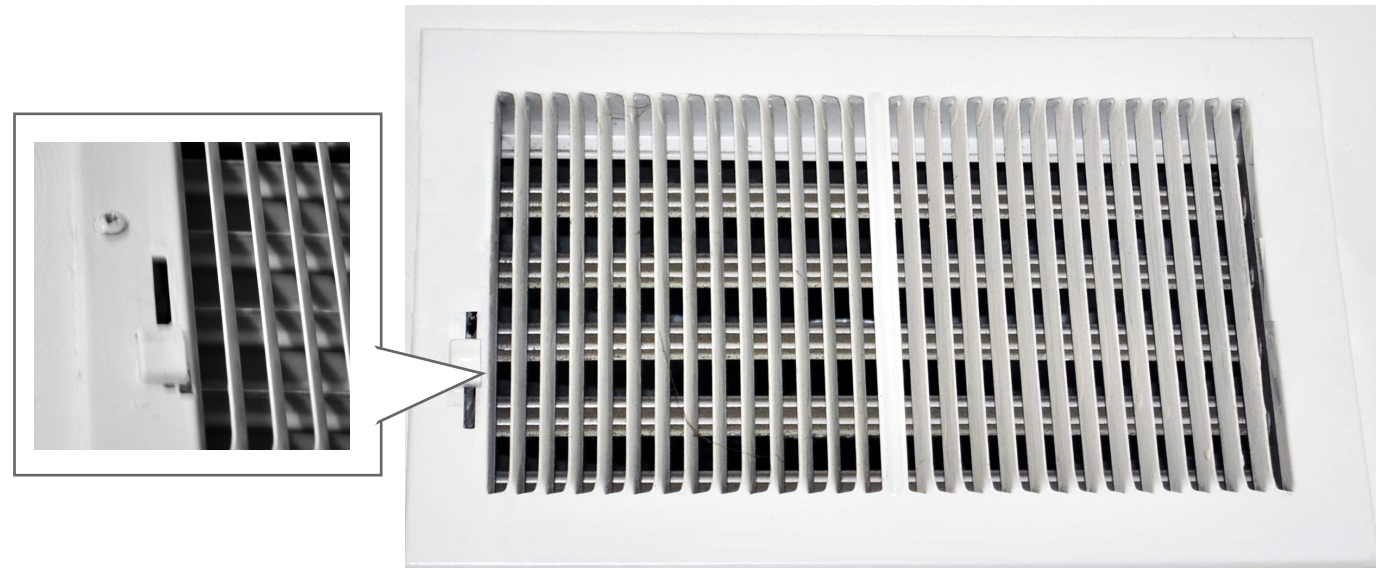


Split vent control for the centralized room heating system



Design Solution

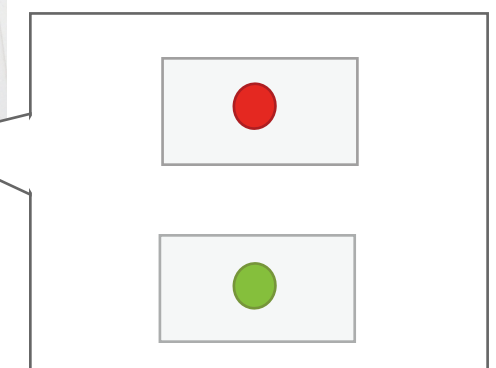
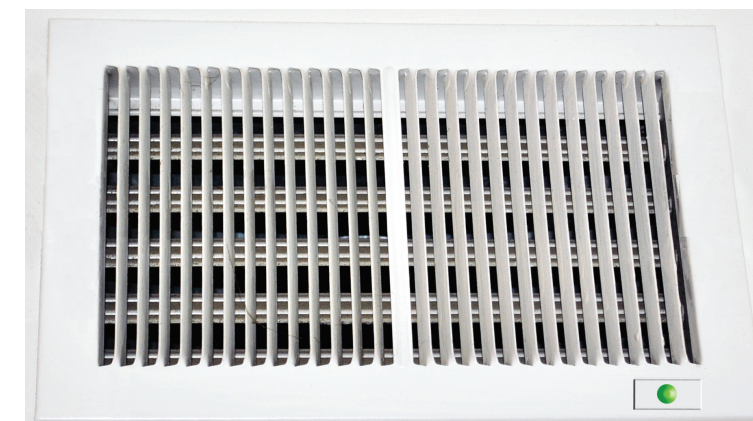
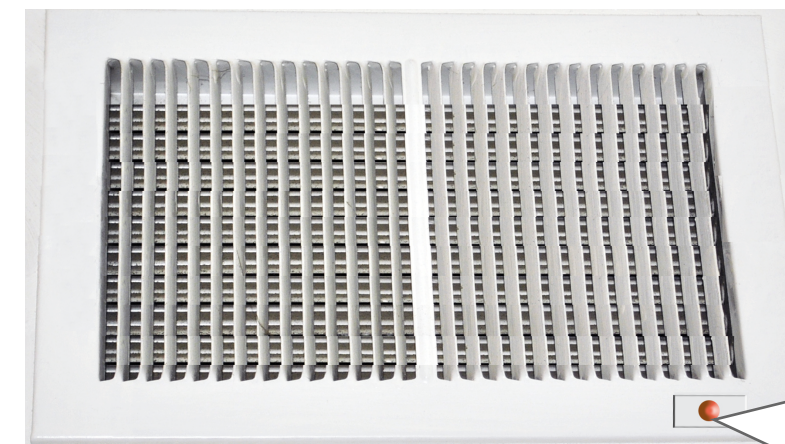
Electronic remote control

Controls the analog switching of the split vent.

Switch to shut off the remote mechanism when not required to save power.

Slider control to map the real world

Indicator to provide feedback -
Green when splits are open and
Red when splits are shut.



Problems identified

Room temp regulated manually by controlling the individual vent in centralized heating

Painting the room jams the slider switch on the vent panel

Heat vents are unreachable and requires an elevated platform or a long tool to operate the switch

No indication provided as to whether the slits are shut or open

When operated with a long tool it's easier to push the slider upwards but is difficult to move it down as slider switch is tough to get hold of.

