

Config Challenge

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Teenager's Night Mode

User Story:

As a parent of teenage children, I am finding more and more that I go to bed before my children. When they were small, Night Mode in our house worked great, since I could triple tap on the Touch Switch in my bedroom when I went to bed to ensure all lights were off and the alarm armed. However, I am now not using Night Mode since I keep switching the lights off on my children and had the alarm go off several times when they opened a window.

I want a Night Mode that is appropriate for a house where I am not always the last person to go to bed.

I want to be able to easily disable the motion sensor in my bedroom when I go to bed and have my own bedroom and Ensuite behave as if it was night, but leave the rest of the house unaffected. Once the last person goes to bed I want all lights turned off, the alarm to be armed, etc.

Details:

I want each person to have their own Night Mode that changes how their own bedroom and ensuite behave. These "personal night modes" should not interfere with other people in the house that are still up.

When the last person goes to bed the house should go into a house-wide night mode to turn all remaining lights off, arm the alarm, etc.

In the morning the reverse should happen, i.e. the first person's alarm clock should disable the house-wide night mode, but leave anyone that is still in bed enjoy their lie-in.

A little extra challenge:

Thinking about this a little more there are some functions in the house that I want to have disabled as soon as the first person has gone to bed, rather than the last person. For example the doorbell.