

Config Challenge

19/03/2020

Ambient External Lighting with Presence Detection

Today's challenge will be around external lighting in a domestic property.

We have a house with a gate at the boundary of the property and a drive leading from this to the main house. There is dimmable driveway lighting all the way along the drive to the house. At the gate, there is an outside motion and brightness sensor.

The homeowner would like that at dusk the driveway lighting automatically comes on to a dim level to create some ambient light for the property, and then when they go to bed these lights to turn off along with all the others in the house.

However, during the evening when the lighting is at the ambient level if the motion sensor detects presence then the driveway lights should fade up to a nice bright level so they can see their way to the house. Then after 3 minutes, the lights should go back to being at the ambient level

Finally, after they have gone to bed and the outside lighting is off they still want the motion sensor to bring the lights on nice and bright to act as a security light or if they want to take the dog for a late night walk and see their way. Again though after they have gone back inside or whatever activated the motion has left then after 3 minutes the lights should turn back off.

During the day the lights shouldn't come on at all.