



Ohm Comforts



Terry & June Easdale are purchasing a brand new house in the Lockerbie Area. The survey report is in and they have contacted [Ohm Comforts](#) to provide them with additional comforts for their house.

You are to design and build one or more of the following to help the Easdales.

For each circuit you need to include a plan, circuit diagram, description, and photo of what you did. Record any information that you learned as you put together the material. Can you cost the project for the Easdales?

1. Design a door bell circuit that can work from the front and back door.
2. A set of lights for the outside of the house for their house warming party celebrations. It is also nearly Christmas and they might want to celebrate that too.
3. Currently there are several flight of stairs in the house and no stair lights (this was pointed out in the survey as very dangerous). Can you design a stair light that can be switched on and off from either the top or the bottom of each flight of stairs.
4. The Easdales are worried about their security. What circuits can you build to deter burglars?
5. MAKE UP YOUR OWN CIRCUITS that would improve the quality of life for the Easdales in their new home.