ENGLISH ABSTRACT:
This document contains guidelines for writing your TFC/PFC. However, you should also take into consideration the standards established in the documents Organització del Treball de fí de carrera and Organització del projecte fí de carrera, paying special attention to the section Dipòsit, as these documents have been approved by the EPSC Standing Committee.
The objective of this project is based on designing and developing a domothic solution destined to handicapped people. It is a hand project service, that is to say, we have made a guide that allows any engineer, installer or to the user himself to equip his house with a domothic system which fits with his necessities.
The goal of this project is to create a system that being based on the X10 technologies group the power, the installation facilities, simplicity of use, reliability and yield, will be able to grant a certain degree of autonomy for the disabled user.
One of the greatest difficulties of this project has been the lack of information and points of reference related to domothic and incapacity. Nevertheless, thanks to the attendance to different conferences we have acquired the necessary information to take the first steps to start our project.
The Project can be divided in two parts:
First of all, we make it clear the necessities that domothic can offer to this special type of users. Moreover, the domothic market is studied, and the type of incapacity we centre on is specified.
As a result, we will implement a technical solution that fulfils the conclusions that we have obtained before.
This section consists of purely conceptual design of the system, having clear the specifications we should fulfil to take the right decisions in the election of the protocol, the components and the services of our system.
Together with the two previous sections we have needed to include different annexes in order to complete the technical solution.
In the annexes we find a complete tutorial of the configuration and program of our domothic system. Thanks to that, the user will be able to configure each of the devices the system integrates, to program the behaviour of our house according to different times and situations…
And the last annexe consists of a sample book of some devices that can integrate our domothic system.