DESIGN CONTROL

Medical table : Software SSRS

Subsystem description : A program that controls the displacement, the height and the tilt of the table using a remote control.

1. Communication

REQ 1 The system shall turn on a LED and make a sound signal when turned on

REQ 2 The system shall receive and recognise 10 different commands (up, down, left, right .. )

REQ `3 The system shall take in consideration the time during which the user is pushing the button

2) Motor’s control

REQ 4 The system shall command the right motor depending on the signal received by the remote control

REQ 5 The system shall command the motor so that the table advance 1m when the user pushes the button for 5 s

3) Emergency stop

REQ 6 The system shall have an emergency stop button, stopping with a minimum deceleration of 0.2 m\*s^ -2