

Nancy B. Project – Detailed view

By Bill Weis

Nancy – Spinal Injury

Requirements:

1. Be able to voice control her Burke adjustable bed with Linak CB9 Controls

Solution – High Level:

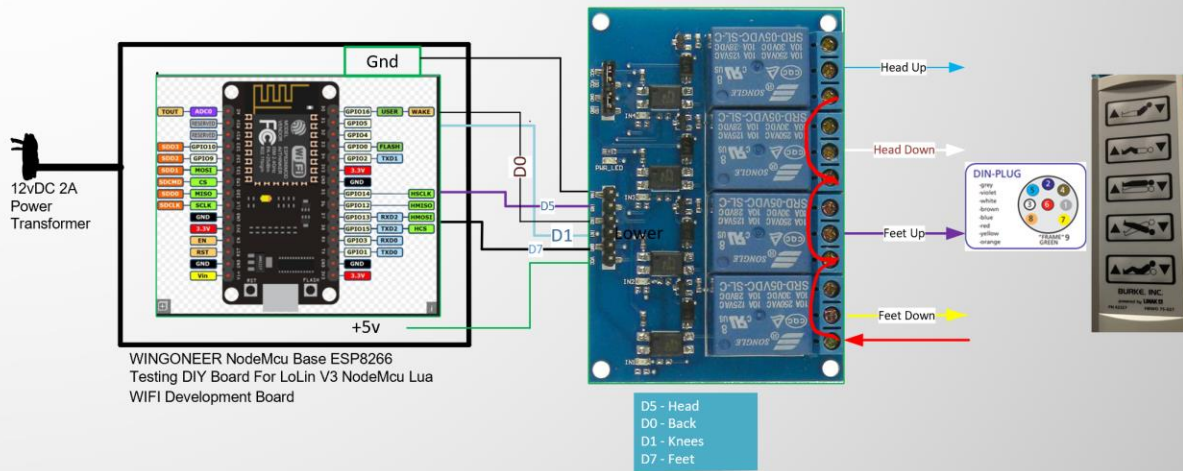
1. We developed a voice activated controller that gives Nancy the ability to voice control the head and foot ends of the bed using commands of various durations.

Details of the Solution

1 – Voice Control her bed – Nancy lost control of her hands and asked for a voice solution so she could make frequent adjustments to the bed position. She has a Full Electric Burke bed which has head up/down, foot up/down, bed up/down and Trendelenburg up/down. We provided voice commands of various durations to control the head and foot end of the bed. The standard remote can still be used to control all features including those not provided by voice for safety reasons. (Bed up/down and Trendelenburg up/down).

Here is a Visio diagram of the solution.

**Voice Controlled Bed Controller for Nancy B. Full Electric Burke bed
(Linak CB9086-01 Bed S/N 201904645TFDRS)
Bill Weis 5/19/2022
S/N 21097.06**



CB9	CH4↑	CH3↓	CH2↓	CH4↓	CH2↑	COM	CH3↑	CH1↓	CH1↑	NC	DIN
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For safety reasons, lift/lower and Trend up/down are not controlled by voice, only head up/down and feet up/down are voice controlled. All functions are available using the standard pendant which is connected via a Y-cable so the voice controller and the hand held pendant can be connected at the same time.