River H. – Spinal Injury Detailed View by Bill Weis

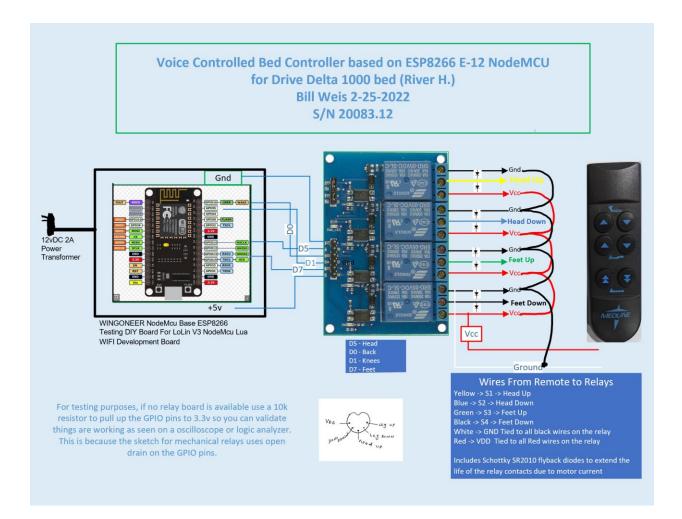
Requirements: 1. Be able to voice control his semi-electric bed that has a 5 Pin DIN Medline remote

Solution – High Level: 1. We designed a voice activated bed controller for his bed

Details of the Solution

1 – Voice Control his bed – River has a semi-electric bed with a Medline hand remote. We provided River with the ability to raise/lower the head and foot ends of the bed using voice commands that run for specific durations. The solution is based on an ESP8266 Microcontroller and mechanical relays. Schottky diodes were added to protect the relay contacts and prolong the life of the relays. River can control his bed using the Amazon Fire TV Cube.

Here is a Visio diagram of the solution.



Resources

Amazon Echo

<u>Alexa Support</u> (Contact Support via the Amazon Alexa app - can have them call your number)

Google Home getting started

Google Home Help Forum

<u>Google Home Support</u> Phone number for Google Home hardware support = 855-971-9121 (24/7 days a week)

Logitech Harmony Knowledge Base

<u>Logitech Harmony Support</u> Phone # for Support = 866-601-5644 (M-F 8am to 6pm PST) <u>Lifx</u>

<u>Wemo Support</u> Phone number for Support = 1-844-745-wemo (9366)