## Marty M. Project – Detailed view (v1)

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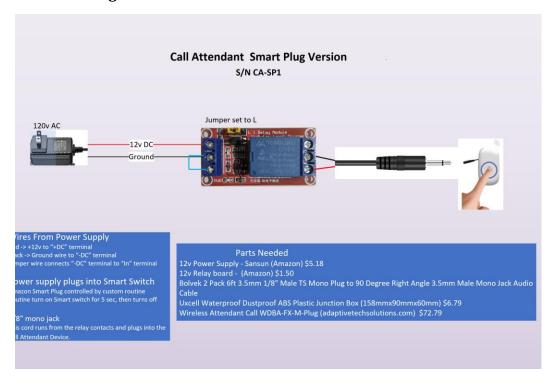
## Requirements:

- 1. Be able to use voice to activate the Adaptive Tech Solutions Call Attendant device
- 2. Be able to voice control his Pride Mobility PLR3955 lift chair/recliner

## Solution – High Level:

- 1. We provided a custom relay box that works with a smart plug that enables Marty to use voice to activate the Call Attendant device.
- 2. We provided a solution where Marty could issue voice commands for the Pride Mobility PLR3955 lift chair
- 1. Be able to Use Voice to Control the Adaptive Tech Solutions Call Attendant We designed a custom relay box that is set to close contacts when the relay box is powered on. We also included a Smart Plug that can be controlled by Alexa and when the custom relay box is plugged into the Smart Plug and a voice command is given to turn on the smart plug, the Call Attendant receivers notify the caregiver that assistance is needed.

## Here is a design of the solution



**2. Be able to control his Pride Mobility PLR3955 using Voice commands –** We designed a solution where Marty could use voice commands for all the desired features of his new lift chair.

Here is a schematic of the bed controller design

