**Train Model User Manual**

**Train Select**

* Located in the upper left corner
* Displays the identification number of the current train for which data is being viewed
* If multiple trains running at once, click dropdown menu, and select ID number of a different train to view data for that train

**Display**

* Located going down the left side of the screen
* Displays values for Velocity, Speed Limit, Acceleration/Deceleration, Acceleration Limit, Deceleration Limit, Temperature, Passenger Count, and Total Mass
* These values are display only and cannot be edited

**Controls**

* Located at the upper right corner, goes down right side of the screen
* Lights
  + Lights will toggle on or off upon click of the toggle button, and will display current value of the lights
* Doors
  + Doors will toggle between open and closed upon click of the button, and will display the current value of the doors
* E-Brake
  + When the apply button is pressed, the emergency break will be applied until the train has been brought to a complete stop
  + The E-Brake cannot be taken off until the train has completely stopped

**Failure Modes**

* Located going down the right side of the screen, beneath the controls
* Lists the value ON if the failure is occurring, or OFF is the failure is not occurring
* This section is for viewing only, and cannot be edited
* Displays failure mode status of Engine Failure, Brake Failure, and Signal Failure

**Numerical Controls**

* Located at the bottom of the screen
* Includes controls for any editable field that has a numerical value
* Temperature
  + Click the green (+) button to increase temp by 1 degree Fahrenheit, or the red (-) button to decrease temp by 1 degree Fahrenheit
* Velocity
  + Click the green (+) button to increase velocity by 1 mph, or the red (-) button to decrease the velocity by 1 degree Fahrenheit