Pixel Props Store

Ecto Containment Unit

Main Board & Daughter Board with Mobile Application

Top Main Indicator Lights

These two lights are used to indicate the status of the trap being put into the ECU. Red means the trap has yet to be cleaned. Green means the trap is clean.

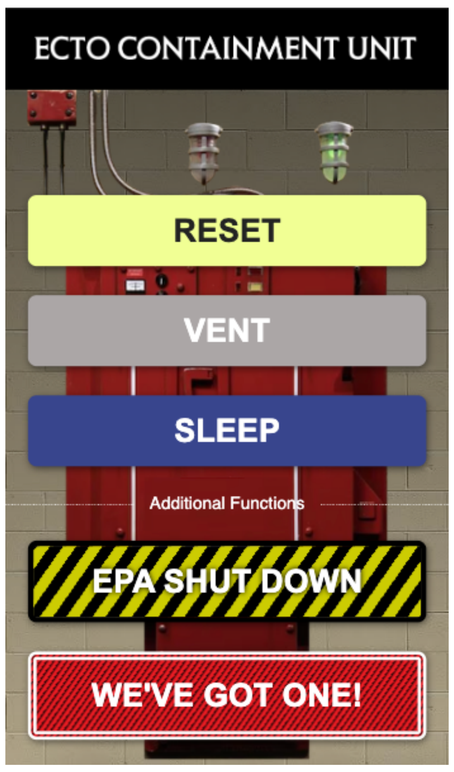
You can use any 12v LEDs of your choosing for these lights. If you use a 12v bulb or any other 12v LED, those can be connected directly to the ECU control board without a relay.

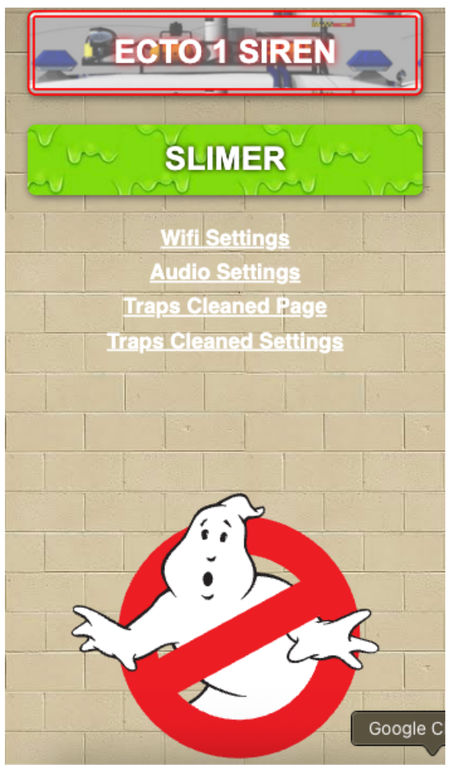
If you prefer to use standard 120v LED bulbs or light fixtures, you will need to use a 12v relay that is rated for 120v. The ground can remain connected to the ground. The positive line will need to be connected to the NO (Normally Open) and COM port on the relay.

The LED or relay is triggered by the switching transistor on the control board. This simply engages the ground line on the board to turn the LED or Relay on.

Disclaimer and warning: PLEASE BE CAREFUL USING 120V AND HANDELING THESE ELECTRONICS

Mobile Wifi Application





Soundboard Jumper

This jumper can be moved in order the select your particular soundboard.

12v Supply Adapter

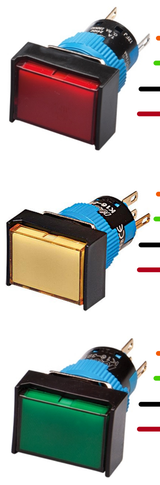
Each kit will come with a 12v adapter plug. This is plugged directly into the board and the other end is plugged into the wall (120v). UK and other voltages and outlets will need a converter for this.

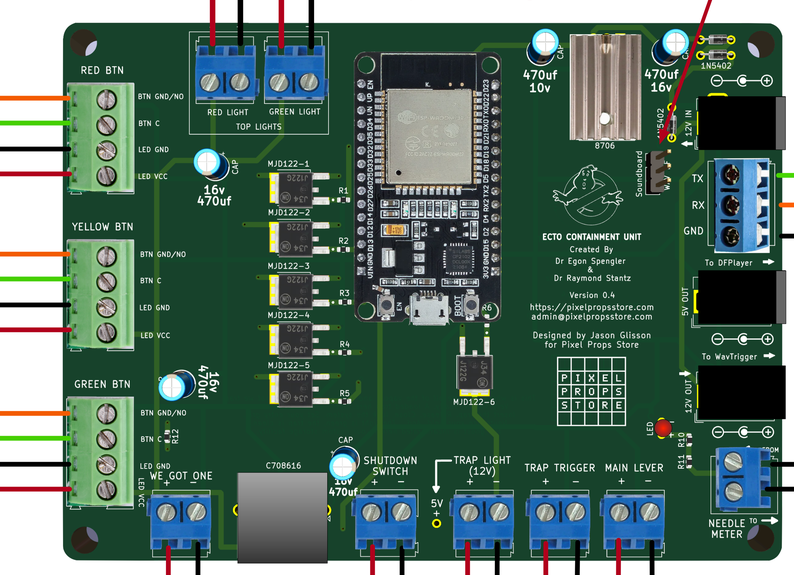
Voltage Regulation

These components take the voltage down from 12v to a stable 5v to power the ESP32 Microcontroller and other power uses throughout the board.

Non-Latching Buttons

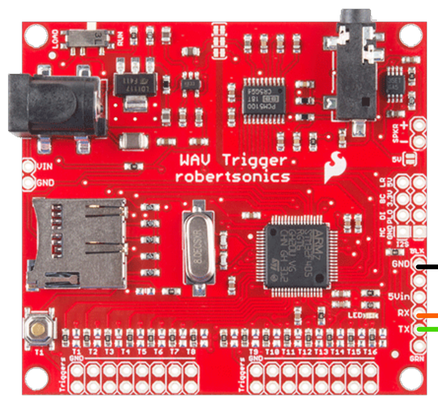
These are used for controlling the main functions of the ECU. The order that you press them is red, yellow, and then green. However, if you are following the movie, the green button is never pressed. In this case, the green button and the main level provide the same function so either can be used.





Wav Trigger Soundboard (optional)

This is a polyphonic soundboard, meaning it can trigger multiple sounds simultaneously. It can be powered directly from the ECU control board using the supplied power connector.



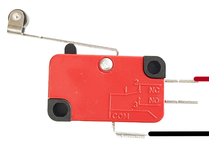
Alternative Soundboard Connection

"We Got One!" Bell

You can connect a button to this connection to trigger the Firehouse bell. The red top main indicator light will flash as well. Janine not included.

EPA Shutdown Switch (optional)

This limit switch is used to trigger the EPA shutdown sequence. This is optional and not needed for the main functions.



ECU Daughter Board (optional)

This daughter board is purely for smoke venting during the EPA Shutdown Sequence. It is connected to the main ECU Control Board using an ethernet cable so it can be mounted further away from the main control board.

Trap Light (optional)

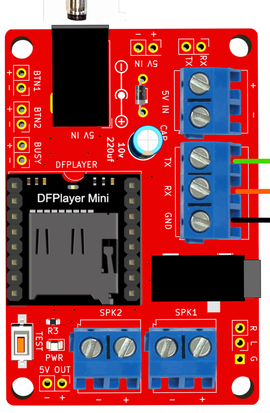
When the trap enclosure is opened, this light comes on. The ECU control board does not supply this switching. You should wire a switch inside the trap enclosure. This can also be used for a smoke kit. This operates at 12v.

Main Lever

The main lever is the large red lever that is used as the last step in cleaning a trap. Triggering this lever will be the end of the trap cleaning. Once the lever is put back into the up position, the entire sequence resets.

Trap Trigger

This is used inside of the trap enclosure that you slide the trap into. Once this is triggered, the top main indicator light will turn red and you'll hear the "ghost flush" sound. This is the first trigger in the entire ECU sequence.

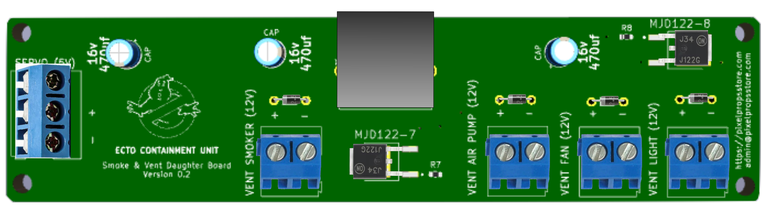


SoundPixel SoundBoard (optional)

This is a single channel soundboard using a DFPlayer that will output only single sounds one at a time. It accepts 5v in and can be powered directly from the ECU main PCB. You can determine which soundboard you want to use by switching the jumper on the main ECU PCB.

Servo Connection

This servo is triggered during the shutdown sequence. It can be used to open vent doors or anything that you'd like to animate during that sequence. This gets triggered at the same time as the Fan & Light connection



Vent Smoker

Vent Air Pump

Fan, & Light

For the shutdown sequence, we wanted to supply a lot of options. So there is a dedicated vent smoker and air pump connection that can actually be used for anything; lights, fans, air pump, and smoker. This gets triggered seperately from the Fan and the Light connection.

The fan and light get triggered last in the shutdown sequence. If you watch the film, this would be the part where the light and smoke pours out of the brick wall where the containment unit is.

Needle Gauge

If you'd like the neede gauge to actually work, you can connect it to this output. During the EPA Shutdown Sequence, the needle gauge will move as the shutdown sequence happens. Like wise when a trap is cleaned, the needle will move.