Outdoor Sign

Most outdoor signs are like billboards which have limited versatility and either has a premade message or is custom made for a specific message. In addition to this, there are programmable outdoor signs which can display and sort of ASCI characters and even more versatile that these are outdoor signs which can display high resolution images. They are also already available in large sizes and their price decreasing with increasing size. Unfortunately, since the outdoor signs are assembled already, we would have to incorporate our motions sensors to their circuitry (which may be saturated and most likely voids any warranty). Another issue is the presence of drivers which most manufacturers will not sell their product without.

Affordable LED ASCI Outdoor Sign

AffordableLED.com Outdoor Sign

ACE Outdoor LED Sign

Indoor Sign

The indoor LED signs which we found were not as versatile as the outdoor signs (due to LCD screens which can be used instead for small high resolution displays) and were limited to ASCI programmable displays. They also scaled well with size, although it would require more panels to fill the same space in the power panel lounge with indoor

signs. These signs are also already assembled so motion sensors would be more difficult to add, yet since we will be using several panels it would be easier to devise partial messages than with 1 large outdoor sign.

Affordable LED Indoor Display

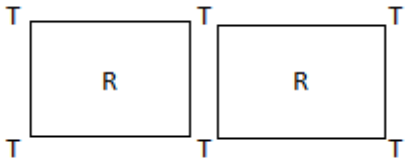
Graphic dot matrix LED display

With a graphic dot matrix LED display is a versatile display, where each individual LED can be controlled. The one disadvantage to this display is that its individual modules are quite small, which means that it would require the most time to be assembled. This aspect also has its advantages though, as it allows for easy incorporation of a motion sensing aspect, and it allows for several small modular displays to be constructed which permits the dimensions to be modified after completion.

Graphic Dot Matrix LED Display

Motion Sensing

IR Phototransmitter and receiver tentative arrangement:



IR LED w/ Photo Transistor

IR LED Emitter & Receiver