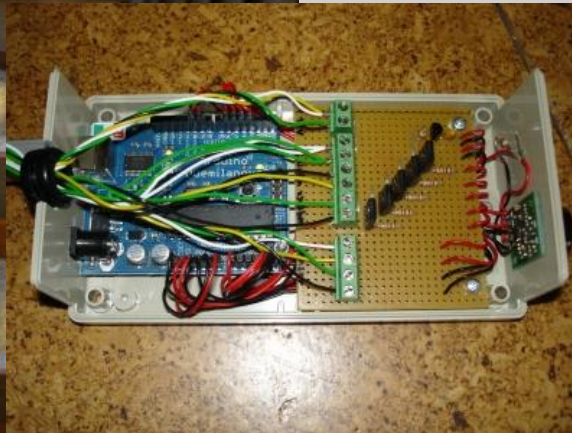


POLDIS AUTOMATED STAIRWAYLIGHTS



Keywords

Ultrasonic Sensors

Photo Sensor

Input

Ultrasonic Sensors

Output:

LED-Dimmed-Light

Technology:

Simple Electronics

Arduino Board

Own Codebase

POLDIS AUTOMATED STAIRWAYLIGHTS

Description:

During the Summer term Poldi created an a stairway-light-system. His system contains two ultrasonic sensores to track movement on both sides of the stairway and one photosensor to get information about the brightness of the acutal Lightsituation.

Every stair has three LED lights that are connected together and finally controlled by one arduino board.

If someone get near the bottom or top stair the lights of the stairs will be turned on one after another into the direktion the user wants to walk and provied a safe use of the stairs at night.

Links:

<http://jeopold.de/2010/08/05/arduino-treppenlicht/>

<https://www.youtube.com/watch?v=uy8gQwNV5pY>

