

PARKING-AID

Prepared by: Ngan Seok Chuan

ABSTRACT

Generally, this report is going to introduce the project title I have chosen, which is called 'Parking-Aid', a device that enable driver to estimate the distain when parking in a limited space.

The commercial parking aid devices are much more expensive and proved to be unstable in some occasion's due to complicity of circuitry and operations. It is very troublesome to repair the device which is fixed in the car.

In contrast, my project, parking aid is a simple, reliable and portable infra-red device designed as an aid in parking the car near the garage wall or any other tight parking space when backing up. The driver will be alerted by 3 signaling LEDs corresponding to the distance, placed at an well visible height when approaching too close to the wall, hence avoid the car from rubbing with the wall that can eventually damage the bumper of the car.

In addition, this report is intended to present complete information of my project for the readers. It includes sources, processes, circuit diagram, and block diagram.