DEVELOPMENT OF A SCARING OFF SYSTEM FOR A CAR

Project Report Submitted by:

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INTRODUCTION

The development of a scaring off system in combination with an existing car intruder/theft alarm was expected after the completion of the project.

The project was divided into four chapters in order to obtain a spherical approach for better understanding.

In the first chapter the physiological effects of electric current passing through the human body were studied and the corresponding conclusions were obtained. It must be noted that the IEC 479 publication was consulted.

The second chapter of the project dealt with the measurement of the capacitance of a typical car. Additionally the measurement of the capacitance was examined to observe whether it was within safe limits.

In the third part the electric shock method was investigated in order to induce a safe electric current on the car body. Furthermore laboratory work was performed at a frequency of 5000 H_z, to select a corresponding voltage that would give a safe electric current.

Finally in the last part the most appropriate circuit was designed, constructed and tested in order to be connected on an existing alarm system of a car.

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