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ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DEVELOPMENT OF  
TELEPHONE GADGETS

E.1120

BY

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# **DEVELOPMENT OF TELEPHONE GADGETS**

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REFERENCES

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## SUMMARY

TITLE: TELEPHONE GADGET

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The task of the project is to design and construct a telephone gadget that allows user to have access and interface on a telephone line.

The project also includes investigation of the behavior of the telephone line.

The gadget, that it was finally constructed, gives the opportunity to the user to check the state of a telephone line (off hook, in use, ringing state) as well as to listen and record the conversation. Also the gadget keeps the number of the incoming calls made in the absent of the user.

## INTRODUCTION

In several cases, because of the nature of the job that someone professes or for checking purpose, a way to have interfacing on the telephone is needed.

There are several telephone gadgets, and circuits that indicate the state of the telephone line, provide audio interface or a way to record a telephone conversations. Often these gadgets are both unprocurable and expensive.

A telephone gadget that will combine several functions and will be of low cost, is an ideal solution.

The telephone gadget that it is analyzed in this project provides the most essential circuits that someone needs for interfacing purpose.

The gadget indicates the state of the telephone line (off hook, in use, ringing state), provide the facility to hear the conversation on a parallel telephone.

Also the gadget keeps the number of the incoming calls made in the absent of the user.

The gadget provides also ports for the connection of the gadget with a recording system that allows user to record the conversation