

ecos depot – Locked Away Safe



ecos **depot** secures your valuable objects against unauthorised use, permanently and completely. An electronic content manager allows an audit of a compartments contents at any time.

ecos depot – Safety deposit units

ecos **depot** safety deposit units have been developed for the safe storage of objects. They electronically register and record the removal and return of documents, data carriers and small items such as keys, mobile phones or tools.

System Components

- Control unit with integrated system circuit board (processor), keyboard, LCD display and personal identification method e.g. chip and non-contact card reader or biometric method (fingerprint, hand surface recognition).
- Safety deposit compartments with steel doors and internal monitoring technology for electronic content management and alarm systems.
- Administration programme based on Microsoft .net development environment and a Microsoft SQL data base.

Mode of Operation

- The contents (e.g. CDs, documents, mobile phones or even laptops and small items) are secured behind a solid steel door and are therefore protected from unauthorised access.
- A personalised access authorisation allows the relevant compartment to be opened. This is achieved either via the integrated key pad using a secret code and/or an ID card or biometric distinguishing characteristics.

- This ensures that only identified and authorised persons open the compartments. All activity is permanently registered and recorded in the data base.
- The removal or return of stored items is electronically monitored once the compartment is opened. This ensures that the content of all compartments is documented at all times.

Methods of controlling contents

- Classical recognition of contents through ID contact: Registration of removal and return of the complete contents of the compartment via ID plug contact.
- Content recognition via RFID-monitoring: This modern ID method allows the identification of a single item in a selected compartment for the first time. Item can be returned by simply packing it back into the compartment.

Alarm

- Individually adjustable safety levels allow variations to the alarm threshold. Unauthorised actions (e.g. exceeding time limits) are recognised immediately.
- The multi-level alarm system immediately signals the use of force, unauthorised removal or interruption of the electrical supply at the location, both optically and acoustically, as well as in the control centre or for example as an SMS.

Configuration choices

Depot System

- steel casing
- key pad with LCD display
- integrated micro processor
- emergency power source (optional)

System Sizes

- different sizes, can be extended in a modular fashion

Control of Contents

- ID-Plug
- RFID Control (optional)

Access Control Systems

- PIN input
- chip card reader (optional)
- non-contact identification (optional)
- biometric identification (optional)

Alarm levels

- acoustic warning
- optical warning
- SMS alarm message (optional)
- alarm to emergency centre (optional)
- Gatekeeper Function (optional)

Connection to Intranet

- via stand alone computer (RS 232)
- via network card (optional)
- via radio network (optional)
- via stand alone computer (RS 485 optional)

Direct Control

- using a modem (optional)
- using the Internet (optional)

ecos depot – self sufficient and decentralised

- It is possible to use ecos depot without mains connection by using the optional (rechargeable) batteries. Depending on level of usage, power can be maintained for up to two days.
- The system can be used without a computer as it has its own integrated microprocessor. A query about key usage or the last user is possible by making a display query on location.
- A TCP/IP address can be assigned when using a network card enabling the direct exchange of data as well as remote clearance and pre-reservation of individual compartments over the Internet.
- By fitting a modem and connection to the telephone network, the system can be dialled up for direct data communication with remote computers.
- Transference of data over wireless networks eliminates restrictions as to location and cabling.

ecos depot Variations

- The compartments are available in the following standard sizes:
Small: for storing small items e.g. keys, mobile phones etc.
Medium: for storing items such as vehicle logbooks, tools, PDAs etc.
Large: for briefcases, files, laptops etc.
- Further sizes are available as special orders upon request.
- Proprietary access control systems can be integrated.
- As the system is modular, it can be extended to suit individual needs.

ecos systems Software Module

- Using special evaluation functions, the ecos systems user programme allows an efficient and meaningful analysis of data collected (e.g. time management, regularity of use).
- With the use of modern communication methods (e.g. mobile phones, Internet) the additional alarm functions can be used to alert any number of people in different places and situations.

System	ecos depot Small	ecos depot Medium	ecos depot Large
External size per compartment W x H x D (mm)	200 x 120 x 250	235 x 150 x 250	400 x 300 x 400
Max. no. of compartments per system		100	
Mains voltage AC		100 V bis 240 V	
Battery power		optional	
External alarm contacts		2	
Display		yes	
Key pad		yes	
Steel casing		yes	
Number of users		2.000	
PC Connection			
RS 232		yes	
RS 485		optional	
TCP/IP		optional	
Modem		optional	
Prerequisites			
Operating system	Windows 2000, Windows XP, Windows Vista		
CPU	Pentium IV or comparable		
RAM	min. 512 MB		
Database	MSSQL as MSDE		

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