



Key Manager® KMS

FP ALCEA KMS ENG V6-CN-04.06

Key Manager® consists of a line of intelligent key management systems that can be integrated into access control, intrusion detection, CCTV and building automation systems. **Key Manager®** can manage keys in different sites from a remote site through network.

Description

KMS is the state-of-the-art generation of the **Key Manager®** range that offers a superior level of security.

KMS recognises each user's identity with any identification system installed. It allows access to keys according to each user's rights and blocks keys from unauthorised request. Every key transaction will be recorded and invalid operations will trigger an alarm.

Our key rings are designed with a patented RFID contact-less reading technology so that they, in place of a badge or other identification mechanism, can be identified by KMS cabinets in proximity and open the door.

You can administer KMS cabinets or monitor the real-time status of every KMS cabinet and every key from a remote site via Internet or Intranet; you can also operate each KMS cabinet independently on site with its friendly touch screen interface. This is a multi-lingual user interface, which includes English, Spanish, French and Italian. Other languages can also be installed.



Applications

Key Manager® has been successfully implemented at train and subway stations as well as at airports and other multi-site corporations. Further applications for key management systems have been identified for healthcare facilities, transport industries, banks, vigilance and guardian services, police stations, governmental offices and private companies.

The access control function of **Key Manager®** allows users to get their keys directly without going through a long application process or waiting for a key administrator. The high security feature of **Key Manager®** permits users to retrieve their keys 24 hours a day and 7 days a week without personal assistance or guardian. The tracing ability of **Key Manager®** enables users to trace and contact the person who has taken a particular key and makes every user accountable for the use of keys.

This system helps organisations reduce the time to allocate and retrieve keys, to prevent effectively the inefficiency caused by temporary inaccessibility or absence of keys, and to reduce the cost to manage keys. This system also helps organisations to more efficiently secure and manage their facilities, entries, vehicles, safes, valuables, equipments, and other important resources.



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Features in the spotlight

KMS can recognise a user's identity with any or all of the following technologies and decide a user's right of access to keys:

- ▶ Card reading
- ▶ PIN code
- ▶ Fingerprint, handprint or other recognition systems
- ▶ Key rings identification



Release and locking of keys according to the user's rights

Upon the identification of a valid user by any or all of the above technologies, the door will be unlocked and green indicators will be on to signal those keys this user is authorized to retrieve. Only these keys can be released while the rest are still locked.

Light indicators = authorized keys

Key rings function as a proximity card!

When you use a key ring to open the door, KMS recognises both the name of the key and its user's name and informs the user of the right position to put back the key. This information is shown on the interactive screen and the light beside the correct key hole is on as an auxiliary signal. The system can be configured to allow random key position as well.



Radio Frequency Identification technology makes our key rings universally identifiable among other access control systems. This allows KMS to be readily integrated to an existing security system.

User-friendly interactive touch screen

Our touch screen enables users to execute various functions by choosing commands in a structured menu simply with a few finger touches. These functions include search of a key, investigation of key usage's log, system adjustment and even modification of user's rights.



Built-in or external proximity reader

You may use our neatly embedded reader, which is hidden behind the keypad on the door panel. You may also choose any other external reader as per your needs or according to your existent access control systems. KMS is ready to communicate with any external reader.

Circumspect security design

Alarm can be configured to trigger on the occasion that power supply fails, the door is open too long, the return deadline has expired, an identity card is invalid, a key is missing, etc.



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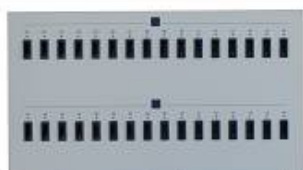
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Capacity and connection

KMS product line offers you an economic initial setup according to your current requirement as well as the possibility of future expansion. Three basic types of cabinet, added with our modular expansion set, enable you to develop and deploy your key management systems at the optimum of cost-effectiveness:

- ▶ **KMS24** is a compact cabinet of 24 key sockets and an embedded interactive touch screen.
- ▶ **KMS88** is a medium-sized cabinet of 24 built-in key sockets and an embedded interactive touch screen. This cabinet can accommodate one or two more 32-socket modules. This solution provides you with the options of 24, 56 and 88 keys.
- ▶ **KMS192** is twice the size of KMS88, with 32 key sockets built-in and an external interactive user interface. This cabinet can accommodate from one to five more 32-socket modules. This solution provides you with the flexibility of expansion from 32 to 64, 96, 120, 144, 168 or 192 keys.

You can add additional cabinets and regroup the cabinets to manage the required number of keys in different sites, while the whole of the cabinets can still be managed by a centralised system through network connection.



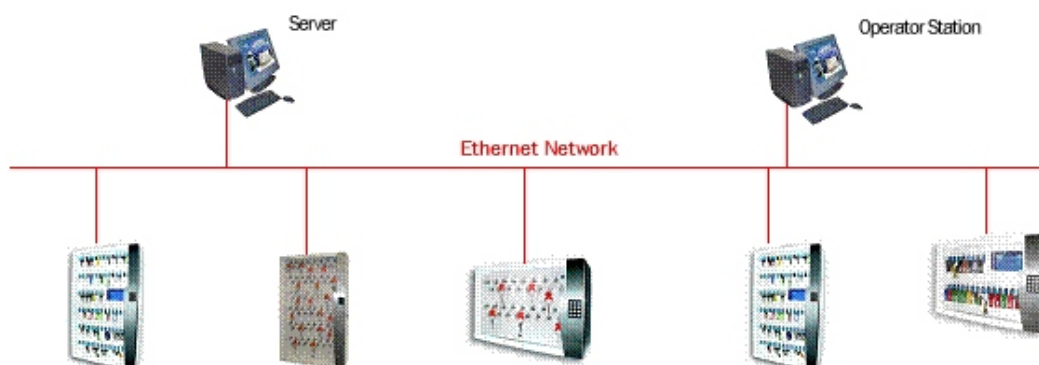
Module of 32 key sockets



The door can be transparent glass or opaque steel panel according to your preference.

Multiple configurations:

- ▶ Independent operation (autonomous mode): you can administer and configure a cabinet on site with its friendly interactive touch screen without the aid of PC.
- ▶ Single-cabinet software: You can administer and configure a cabinet in a remote site, using our graphic interface software on a PC via Internet or Intranet. You may have real time monitoring with a permanent connection.
- ▶ Multiple-cabinet software: You can administer and configure a whole set of cabinets via Internet or Intranet. Our system can be developed to integrate with your access control systems.





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Specifications

Functions		
<ul style="list-style-type: none"> - Location of key: fixed or free. - Printing of the log of transactions - Investigation of every activities - Multi-criteria sorting of data 	<ul style="list-style-type: none"> - Database of keys - Multi-site deployment 	
General specifications		
<ul style="list-style-type: none"> - Traceability of key usage - Key rings guarded by the cabinet - Communicable with all ID technologies 	<ul style="list-style-type: none"> - Protection by contact detection - Protection by door position - Real time key tracking 	
Features	KMS24	KMS88
Key rings capacity	24	24, 56 or 88
Dimension H x L x D (mm)	375 x 580 x 225	910 x 580 x 225
Weight (kg)	22	44
Power supply	220 v - 0,5 A	
Independent operation on battery (7 AH)	12 hours	
Main board		
CPU Speed	50 Mhz	
Memory for program (Flash memory)	1 MB	
Memory for data (Safeguarded by Lithium battery)	2 MB	
Connectivity	One-bus I2C, two-bus RS485 or RS232	
Digital I/O (relay)	8 outputs	
Ethernet network	10 Mbits RJ45	
LCD touch screen		
Pixels	140 x 128	
Display technology	LCD, Positive, Transflective	
Colour	White / Blue	
Touch plate	10 x 6	
Capacity		
Number of users (Max.)	8,000 (Multi-Cabinet mode)	
Number of timetables	128	
Independent memory for last key transactions	3,000	
Independent memory for last events (system, alarm and access)	3,000	