



INTELLIGENT LOCK CYLINDERS

Features

- Key-centric access control system
- Battery-less lock
- Direct replacement of existing lock, ideal for retrofitting. No wiring required
- Configurable intelligent keys through easy to use software
- Able to grant access rights according to authorised personnel and time
- Remote access control through handphone NFC technology
- Over 170 lock cylinder designs available
- Audit trail for accountability and integrity
- Minimum maintenance

Application and Functional Description



Transport and Logistics

Containers/Warehouses/
Depots/Checkpoints



Telecom and Data Centers

Data Center Racks



Airport

Air Hangar/Restricted Access
Area/Perimeter Gates



Corporate Offices

Meeting Rooms/
Cabinets/Server Rooms



Water Plants & Public Utility Facilities

Risers/Substations/
Equipment Storage/
Hydro-electricity Facilities/
Water Storage Tanks



Petrochemical Plants and Construction Sites

Storage of Controlled
or Hazardous Items/
Control Valve Locks/
Mobile Vehicles



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For any enquiries, please visit website: www.jmeotto.com

Overall System Diagram



- The mechanical lock cylinders can be replaced easily with the intelligent cylinders. A mode of access control for the locks is set up easily without having to go through the added hassle of cabling and messy wiring. Cost savings on cabling.
- With the Intelligent Lock Management software and the uniqueness of the cylinder design, Intelligent Lock gives a new dimension to the security industry.
- With a range of locks up to over 170 different types, there is always a type of lock in our Intelligent Lock range that can suit any specific need, regardless of the industry or operating environment.
- The desktop Access Reader/Encoder is connected to a computer to configure the key access rights, reporting of lost keys, lock data and retrieving of key access data etc. It is connected to the PC via a USB port.

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Key Management Software

Who	When	What	Where
User Name	Event Time	Event Type	Lock Name
user01 user01	2015-04-07 19:21:40	Open Lock Successfully	lock05
user02 user02	2015-04-07 19:16:11	No privilege to open the door	lock02
user02 user02	2015-04-07 19:16:06	No privilege to open the door	lock02
user02 user02	2015-04-07 19:13:36	No privilege to open the door	lock04
user02 user02	2015-04-07 19:13:27	No privilege to open the door	lock02
user02 user02	2015-04-07 19:13:19	No privilege to open the door	lock02
user02 user02	2015-04-07 19:13:11	No privilege to open the door	lock02
user02 user02	2015-04-07 19:13:00	No privilege to open the door	lock02
user01 user01	2015-04-07 19:12:00	Open Lock Successfully	lock05
user01 user01	2015-04-07 19:11:53	Open Lock Successfully	lock05
user01 user01	2015-04-07 19:11:45	Open Lock Successfully	lock05
user01 user01	2015-04-07 19:11:31	Open Lock Successfully	lock05
user02 user02	2015-04-07 19:11:21	Open Lock Successfully	lock05
user02 user02	2015-04-07 19:10:30	Open Lock Successfully	lock05
user02 user02	2015-04-07 19:10:00	Open Lock Successfully	lock05
user01 user01	2015-04-07 19:07:59	Open Lock Successfully	lock05
user02 user02	2015-04-07 19:04:53	Open Lock Successfully	lock01
user02 user02	2015-04-07 19:04:42	No privilege to open the door	lock05
user02 user02	2015-04-07 19:02:47	Open Lock Successfully	lock01
user02 user02	2015-04-07 19:02:36	Open Lock Successfully	lock01
user02 user02	2015-04-07 19:02:28	Open Lock Successfully	lock01

KMS-PRO Integrated Key Management System

The professional key management software (KMS-PRO) can support up to 64,000 locks (including lock groups) and 64,000 keys (including key groups) and 200 time zones. These keys can be programmed/deleted and data can be uploaded to the software for audit trail purposes to ensure accountability and integrity.

Intelligent key programming software is dedicated to manage access rights of every user. Key holder is only allowed to work within the stipulated time by the assigned personnel. The keys have authorised access rights.

Each transaction will be logged in the key as well as the lock and can be retrieved via the encoder/reader for audit purposes.

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System Components



Management Key



NFC Key



Battery life: More than 25,000 times operation.

Standard Half AA Size
Lithium Battery Replacement.
Very little maintenance

Management Key: The management key is used to change the lock code, used to modify the lock code, set the lock number, upload blacklisted users or retrieve log events from the lock.

NFC Key: Keys with NFC features can be configured remotely using NFC-enabled mobile phones. After installing the software on your mobile phone, you can assign the rights for the key as well as obtain the transaction records for the key and locks. This feature is excellent when key authorisation needs to be changed at short notice and the authorised personnel does not need to travel back to the operations center - thus reducing downtime and increases productivity.



Handheld Device



Handphone



Door Access Controller



Tablet Mobile Station

Hand held Device: The hand held device is used to transfer key information and access rights from the computer to the locks and other access readers. It is commonly used during the installation and system setup phase.

Handphone: The handphone with NFC function is used to make short notice changes to authorisation rights.

Door Access Controller: Door Access Controller can be used to control electric locks with programmed key access right. The system software is used to configure the controller. With its hotspot function, it can synchronize with the PC software and key data can be updated accordingly.

Maintenance: Only maintenance is change of the standard half size AA lithium battery in the key. When battery life is low, a signal will be alerted in the key.

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Riser Door Lock Cylinders



3 typical intelligent lock cylinders for riser doors

A. Single-way lock cylinder

- requires a key to unlock door to get inside the riser. The door cannot be locked from the inside.

B. Single-way lock cylinder with button knob exit

- requires a key to unlock door to get inside the riser. The door can be locked/unlocked from inside by turning the knob/button.

C. Two-way lock cylinder.

- requires a key to unlock door to get inside the riser. The door can be locked/unlocked from inside by using a key only.



Easy installation by replacement of cylinder

- Riser door cylinders are easy to install and programmed like any other Intelligent Lock Cylinders.
- The KMS Pro software is used for managing riser door cylinders.
- No wiring or cabling is required in installing the riser door cylinders.

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