ACS-Cylinder

Remote controlled cylinder

ACS-Cylinder is a long-range radio electronics with its original design makes it ideal for centralized and secure access control. Equipped with a Clover-Sense innovative LoRa module, it allows parameterization, historical reports and Remote control.
Managed via the "Dialog 900" solution from UNITECNIC, or directly integrated in your own solution, it insure
long range access management over buildings thanks to Clover-Net, while keeping benefit of opening by proximity badges.

It really ease access control system deployment by replacing the existing cylinder with commissioning facilities.

Device life time and maintenance operations are facilitated thanks to anticipated signal of batteries wear and other principles like progressive delay at the opening.

Easy it install

Cylinder remove and replace philosophy allows any existing door to become smart. Available in any cylinder length, a part of or a complete building is easily changed to a centralized remote access control with a minimum of operations, with no need of power line.
Designed to be hostile environment proof, IP67 protect insure outdoor operations while anti-tamper, anti-drilling and anti-twist technologies make this device Ready-to-Use in any case.

Advanced features

More than a simple door lock, it adds advanced services and features like number of passages reports, real-time remote access control, intrusion detection, remote authorization dispatching, free opening programmable timeslots, access profiles and more.
This communicating device is compatible with INS-Gate, either through UNICTENIC solution or a complete custom management.

Multiple communications

ACS-Cylinder supports near field Tag (MIFARE/DESFIRE 13,56MHz), but take also benefit of long range Clover-Net protocol based on LoRa technology. This unique integration gives un unprecedented flexibility with standard smart lock control and remote access for on-demand management and reporting.

Turn-key solution

Developed by UNITECNIC, the DIALOG 900 software allows you to manage your equipment with serenity: timetables, access profiles, user badges, holidays and management of the equipment park are the main functions of this indispensable tool to the security of your premises.

Custom system integration

For complete and fast integration in a custom solution, a PDK is available to make this smart lock communicating with your system.

Main features

- Report of passage
- Remote access control
- Intrusion detection
- Remote Authorization dispatching
- Free opening programmable time slot
- High level of integration
- AES encryption security
- Private networks
- No power line connection
- Easy installation without mechanical doors adaptation

Electronical characteristics

- RFID - MIFARE/DESFIRE 13,56 MHz Technology
- Clover-Net RF long range 100m (constrained industrial indoor)
- Power: battery CR123 3V (lifetime: 50,000 openings)
- Authorized access up to 2800 IDs
- Event memory: 1,000 events
- Battery wear indication
- Operating temperature-25°C to +70°C
- Anti-tamper: electronic/motor pairing

Mecanical characteristics

- Stainless steel
- Satin Nickel finish
- Cylinder length: 30/30 to 60/60 (120mm max.)
- Easy commissioning: modular of cylinders for easy stock management
- IP67 protection
- Indoor/Outdoor use
- Security Protections: Anti-twist, Anti-drilling, Anti-tamper

Order references

Order #	Description
ACS-CYL-ST-X8X-001	ACS Cylinder strandard version

Others on demand

Clover-Net generic features

- Transmission range up to 5,000m line of sight, up 500m indoor.
- Real-time 2-way communications: Scheduled transmission, automatic alarms and on-demand reading.
- Robust against physical and electronic interferences.
- Fast event reactivity, huge coexistence ability.
- Low cost for mass deployment
- Auto RTC propagation

- Native Three bands compatibilities (433, 868 and 915Mhz)
- CE & EN 300-220 & FCC 15-247 compliant
- LORA WAN compatible
- Use Multi-channel frequencies to avoid collision.
- Dedicated alarm frequency channel.
- Data Encryption by AES 128 with dynamic key mixt
- Include Full networks services (Broadcast, Repeater, Mesh, …)