e-Cylinder*MAX*
Contactless RFID electronic cylinder for outdoors

Electronic Locking Solutions

Onity **e-Cylinder***MAX* is a new generation waterproof RFID electronic cylinder, with IP67 resistance rating. It is the perfect access management solution for guestroom and staff doors at hotels, especially if they are located outdoors. It brings a high security level using MiFare® anti-forgery key reading.

The Onity electronic cylinder range is the ideal solution for renovation projects as they **only require changing the mechanical cylinder for the electronic one**, with no need to modify the door structure. Therefore, their installation is extremely quick and easy.

Advantages

- ☐ Easy installation, as simple as replacing the mechanical cylinder by the RFID electronic one
- ☐ Off-line (no wiring required)
- ☐ No need to change existing doors
- ☐ Withstands extreme environment conditions (IP67)
- ☐ Audit trail for events download (1,000 events in non volatile memory)
- ☐ Compatible with Onity Intellity RFID intelligent energy saver

Features

- ☐ Easy installation and easy to use
- ☐ EURO mortise profile
- ☐ Works with MiFare® Classic/EV1 contactless cards/tags
- ☐ Smart sleep mode for energy saving
- ☐ NFC compatible
- ☐ Cylinder size: 60 mm (30/30) to 180 mm (90/90), symmetrical or asymmetrical (body size, without reader head or knob). Sizes in multiples of 5 mm (min. 30/30)
- ☐ Minimum backset: 25 mm
- ☐ Reading distance: 5 mm
- ☐ Finish: Stainless steel
- ☐ Modular design
- ☐ Anti-drilling protection
- ☐ Stainless steel bar for anti-twisting
- ☐ Operation temperature: -20°C to 70°C
- ☐ Battery spec: 1 x CR2 type (included)
- ☐ Battery life: 2 years approx. in standby (40.000 ops.)
- ☐ Acoustic low battery warning
- ☐ Upgradeable firmware

HOPPE®
Handle of excellence.

Amsterdam

Trondheim

Bonn

Dallas

Paris
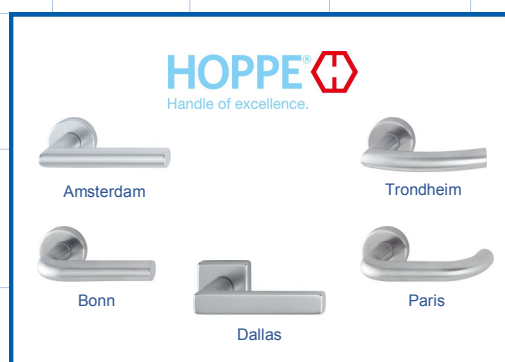
Certifications

- ☐ Fire rated: The range surpasses EI30 and EI60
- ☐ R&TTE
- ☐ EMC Directive
- ☐ RoHS Directive
- ☐ LVD Directive

Other cylinder options

RFID electronic half cylinder

- ☐ Application: one way exit doors, warehouses etc.
- ☐ Cylinder size: 40 mm (30/10) to 100 mm (90/10)
- ☐ Same specification as standard model.

RFID electronic double cylinder

- ☐ Application area: Passage doors, Public doors.
- ☐ Cylinder size: 60 mm (30/30) to 180 mm (90/90), symmetrical or asymmetrical.
- ☐ Same specification as standard model.

The Onity RFID electronic cylinder management software allows registering cards into the cylinder, using the programmer to transmit the information from the PC to the cylinder.

□ User friendly

□ Allows to easily add guest cards, delete issued cards or cancel any lost cards

□ RFID Technology: MiFare® Classic/EV1 (13.56Mhz)

□ Maximum number of cylinders: 1,500

□ Maximum number of users: 12,000

Functions

□ Schedules check-in/out time for each guest

□ Issues guest / service / emergency cards

□ Sets the cylinder in Passage/Business hour modes

□ Sets authorizations for each card and cylinder

□ Displays cylinder audit trail reports, system events and card logs

□ Keeps system backups and can restore the database

□ Creates and manages different login users

□ Creates and manages rooms, public doors and multiple buildings

□ Programs the cylinder/programmer firmware

□ Supports day light savings time schedules

□ Smart encryption on each card for additional security
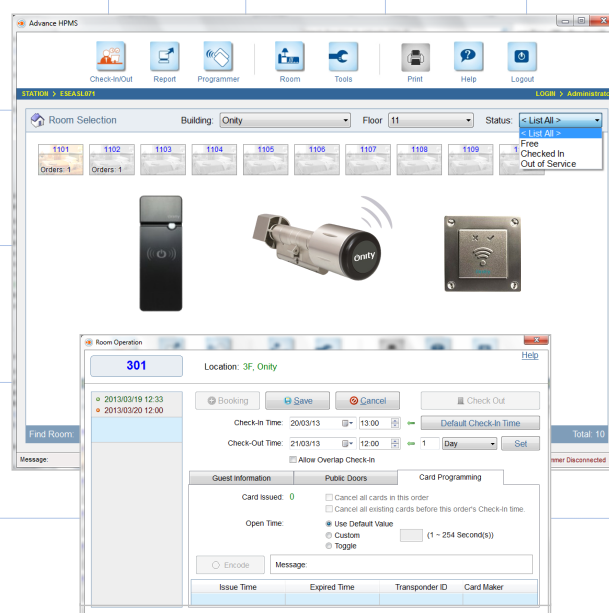
System Encoder / Programmer

It encodes cards to open the cylinders defined in the system.

□ 1.4" inch backlit LCD display

□ USB port with PC

□ Works with 3 x AAA 1.5V batteries (included)

□ Shows battery status display on screen

□ Smart auto power off when standby

It also works as a portable programmer, with multiple functions:

□ Initializing the cylinders

□ Adjusting time/day to the cylinder

□ Retrieving events back from the cylinder

□ Diagnosing the cylinder with simple testing

□ Program firmware of the cylinder

In answer to today's increasing design conscious hotel requirements, Onity has partnered with HOPPE Group, a leading hardware producer, to offer a range of handles which combines an aesthetically pleasing look with top of the range quality and durability. Hotels can this way obtain a comprehensive door solution from Onity, which will also match their decoration, no matter the style.

This range of handles has been developed following European standards, and it is compatible with all the Onity e-cylinder models.

HOPPE®
Handle of excellence.

Founded in 1952 and today globally present with over 2,500 employees, HOPPE Group is a leading door and window handle supplier with a comprehensive product range, wide innovative capability and technological leadership in their segment.

Always making sustainability a priority, HOPPE products undergo numerous tests to ensure flawless operation, including static impact and durability tests depending on the product type. These extend beyond standard tests and requirements to closely reflect the everyday knocks hardware has to take.

Handle Specifications

☐ F69 satin stainless steel handle sets

☐ EURO mortise profile

☐ Spindle size: 8 mm

☐ 2 configuration ranges, with rosette or long plate (ideal for renovation projects)

☐ Door thickness: 37-42 mm with standard range, please check availability for other sizes

☐ Tested to DIN EN 1906: 37-0140A

☐ Quick-Fit connection, no Allen screws

10 year operational guarantee

EN1906: 37-0140A

Amsterdam

Bonn

Dallas

Paris

Trondheim
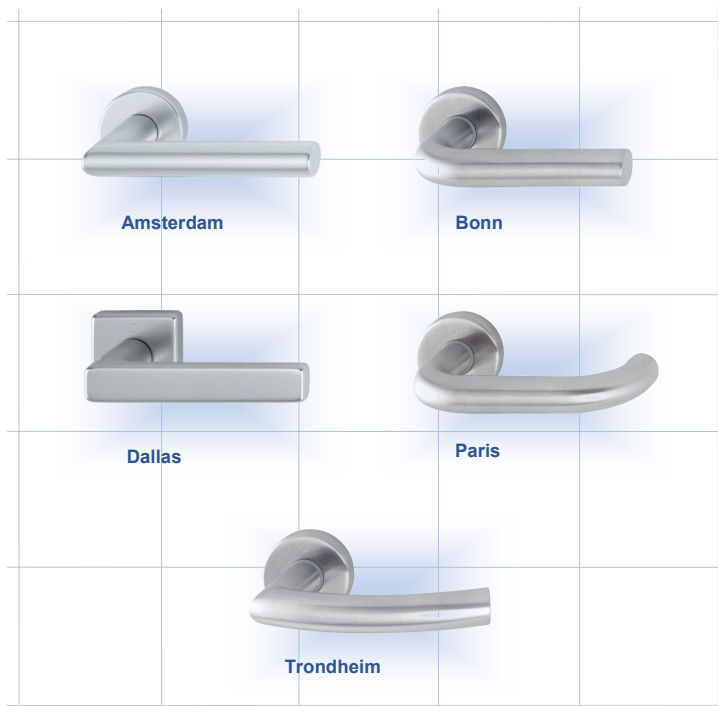
## SecuSan®, the new hygiene standard

SecuSan

Many medical issues are associated with infections, and 20 to 30% of them could have been prevented through closer hygiene control.
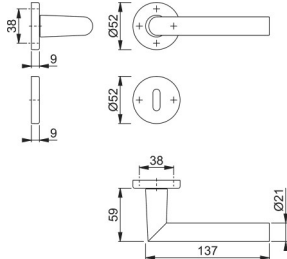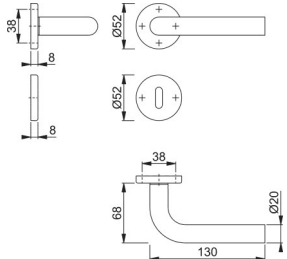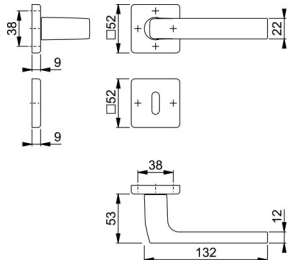
SecuSan handles offer a solution that provides active protection wherever people are present in large numbers, be it in hospitals, hotels, schools, industry or leisure facilities. SecuSan handles help to ensure high hygiene standards.

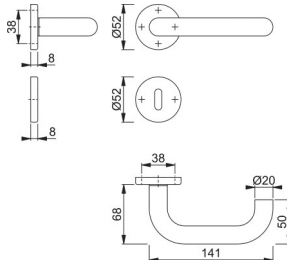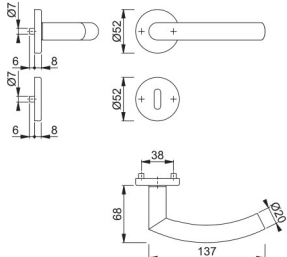SecuSan is a special antimicrobial surface for HOPPE handles, which immediately suppresses microbial growth on a lasting basis. It is entirely maintenance-free and designed for long-term use. Its high level of efficacy has been confirmed in independent laboratory and practical tests, they have proved that **SecuSan reduces microbial growth by more than 99%; a reduction factor of 60% can be achieved after just 5 minutes.**

☐ Immediately combats germs

☐ Preventive effect

☐ Wear-free
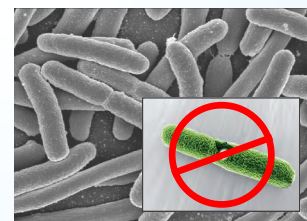
SecuSan surfaces contain silver ions which are embedded in a carrier system of ceramic glass. The silver ions destroy the cell membrane of the germ and this stops respiration and nutrition of the cells, preventing cell division.

Model	Rosette layout (new doors)	Long Plate layout (retrofit)	Dimensions (mm)
Amsterdam			
Bonn			
Dallas			
Paris			
Trondheim			

Features

☐ Compact design

☐ Easy installation

☐ Works with RFID MiFare® Classic/EV1 (13.56Mhz) contactless cards and tags

☐ Reading distance: up to 40 mm

☐ Events reading from cards

☐ Updates and validates cards

☐ To be used with the Onity management software

☐ Acoustic indication of card acceptance

☐ LED indication light

Technical Specifications

☐ Pre-wired with 3m cable to Wall Controller (10m cable optional)

☐ Surface mount

☐ Powered from the controller

☐ Communication to controller through RS485

☐ Current draw: 100mA

☐ Operating temperature: -20°C to 70°C

☐ Resistance to extreme environment: IP55

☐ Reader dimensions: 115 x 39.95 x 13.2 mm.

Wall Reader Controller

☐ Firmware upgrades by the programmer

☐ Stores audit trail (1000 events)

☐ Day light savings time schedules

☐ Anti-pass-back

Technical Specifications

☐ Power: 12Vdc - 24Vdc

☐ Current draw: 250mA

☐ Number of wall readers: 2

☐ Link to wall reader by RS485 cable

☐ Number of inputs: 4

☐ Number of outputs: 2 relay outputs

☐ Exit button input

☐ Operating temperature: -20°C to 70°C

Features

- ☐ Compact design with metallic frame
- ☐ Supplied with a separate mounting plate for ease of installation
- ☐ Works with RFID MiFare® Classic/EV1 (13.56Mhz) contactless cards and tags
- ☐ Reading distance: up to 25 mm
- ☐ Events reading from cards
- ☐ Updates and validates cards
- ☐ To be used with the Onity management software
- ☐ Acoustic indication of card acceptance
- ☐ LED indication light
- ☐ For indoor or outdoor installation

Technical Specifications

- ☐ Pre-wired with 3m cable to Wall Controller (10m cable optional)
- ☐ Surface fix or to be mounted on standard UK flush back box
- ☐ Powered from the controller
- ☐ Communication to controller through RS485
- ☐ Current draw: 100mA
- ☐ Operating temperature: -20°C to 70°C
- ☐ Resistance to extreme environment: IP67
- ☐ Reader dimensions: 90 x 90 x 13 mm.

Wall Reader Controller

- ☐ Firmware upgrades by the programmer
- ☐ Stores audit trail (1000 events)
- ☐ Day light savings time schedules
- ☐ Anti-pass-back

Technical Specifications

- ☐ Power: 12Vdc - 24Vdc
- ☐ Current draw: 250mA
- ☐ Number of wall readers: 2
- ☐ Link to wall reader by RS485 cable
- ☐ Number of inputs: 4
- ☐ Number of outputs: 2 relay outputs
- ☐ Exit button input
- ☐ Operating temperature: -20°C to 70°C

Real Solutions ⏻ Reliable Support

www.onity.com