# DIN HOTEL

## Hotel Solutions

SECURITY AND DESIGN
FOR YOUR COMFORT

xpr Home

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# DIN HOTEL

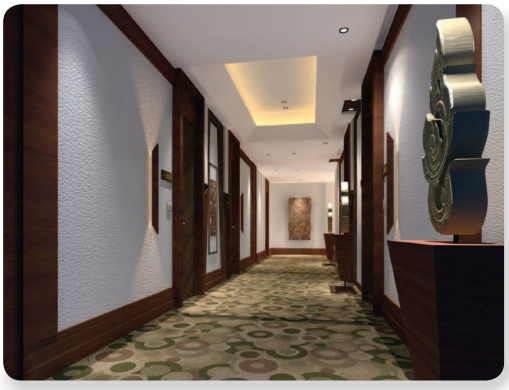
*DIN RANGE*

The **DIN HOTEL** solution replaces your old room keys with keyless access electronic systems by utilising Mifare Classic proximity and keycard technology. Feel secure with access control system technology that allows you to integrate all your and your guest's security needs into one stylish, modern and efficient installation on the wall and no more on the door.

The **DIN HOTEL** solution includes the outside device composed of Mifare reader and/or LED indicator, and the inside device composed of Card reader and/or DND button.

- The Mifare Reader reads the room cards and activate relay 1 at RU2 (door lock).
- The LED Indicator gives light signal for clean room and do not disturb (backlight can be turned on and off with jumper setting).
- Touching the LED indicator will ring a bell.
- The Card Reader detects presence of the card and enables the room electric system by activating relay 2 at RU2. Also it activates internal relay for system without entry reader.
- The DND Button is used to set the "clean room" and the "do not disturb". Also it has a bell built-in.
- This hotel solution is compatible with any electric lock (Vortex®, electromagnet, strike...).

## OUTSIDE

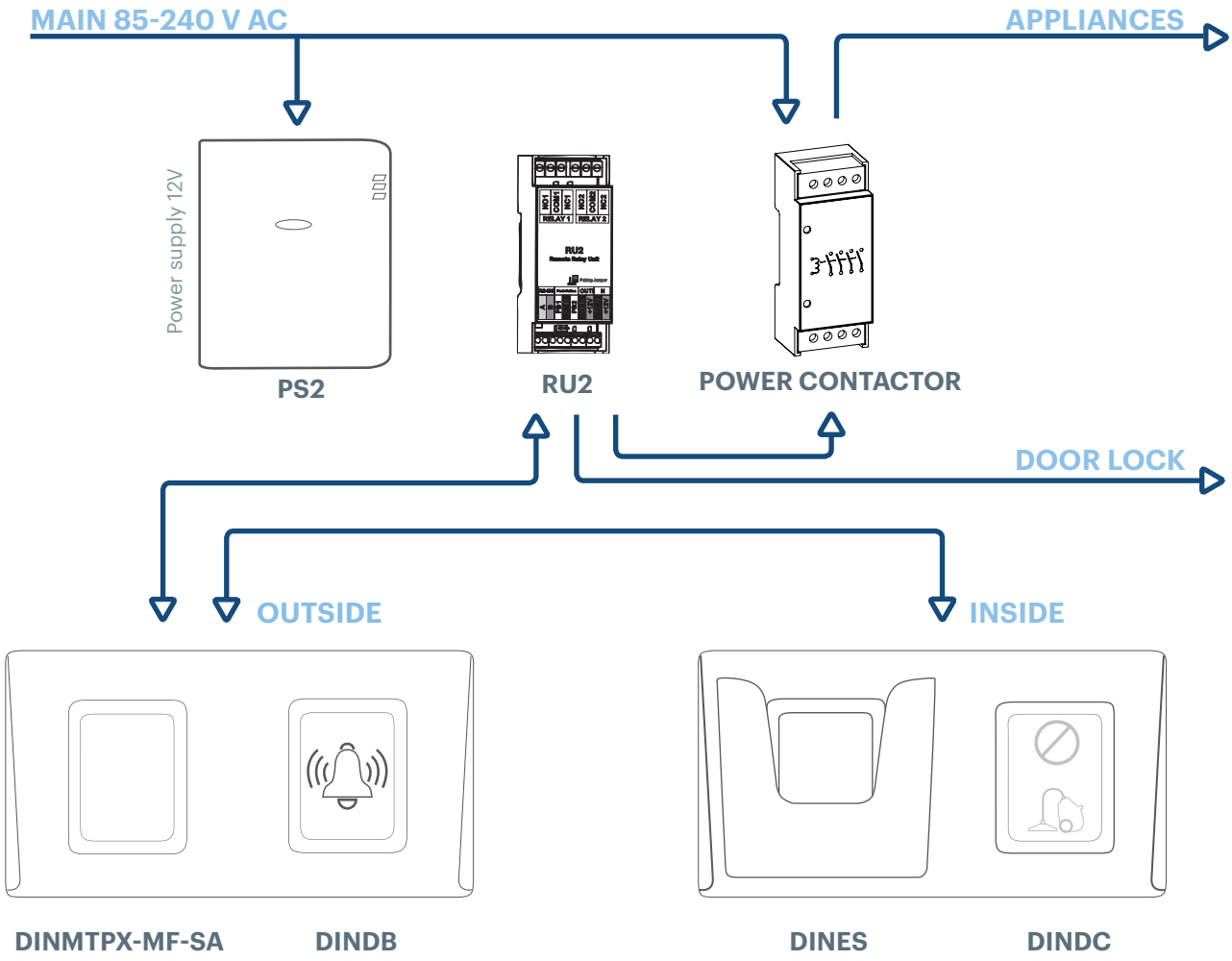


## INSIDE

All product specifications are subject to change without notice.

## SYSTEM OVERVIEW

# SYSTEM OVERVIEW



# PARTS OF THE SYSTEM CAN BE USED AS NEEDED FOR DIFFERENT APPLICATIONS.

## 01 POWER SUPPLY:

Necessary for any combination. Provides power for all components in the system.

## 02 RU2

This component have two relays, first one for door lock and second for enabling power supply for other appliances inside. Second relay is following the presence of the card in the Energy saver and will be in activated state as long the card is inside the Energy saver. Usage of this component is not mandatory but provide secure installation as it is placed in secured area. Communication between RU2 and reader is encrypted so replacing the reader from outside will not provide unauthorized access. This component also have input for push button for opening the door from inside. RU2 is DIN rail model suitable for mounting in installation box.

## 03 POWER CONTACTOR

Power contactor is not supplied with this system. System designer must choose proper model depending on the site requirements. It is driven by RU2 second relay and provide mains supply for inside appliances. In case when site has energy management system then probably this component can be omitted and second relay from RU2 can be connected to control input of the system.

## 04 DINMTPX-MF-SA

Reader is providing access control for the guests/users. Reader is managing the RU2 relays. In case system is without RU2, reader have one relay for activating the door lock.

## 05 DINDB

Indicator have two functions – as display of the status “Privacy” (DND) and “Clean” and as a electronic bell push button.

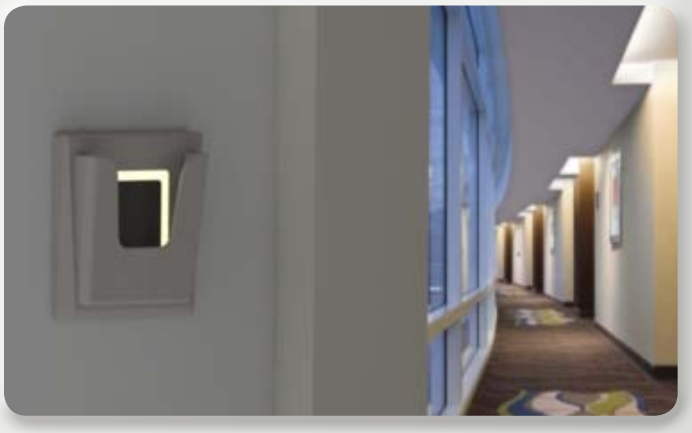
## 06 DINES

Contactless card sensor that detect cards when placed in the card holder. Used to manage power supply. It can be used with Reader and RU2 where second relay is activated by card or with internal relay of the Energy saver.

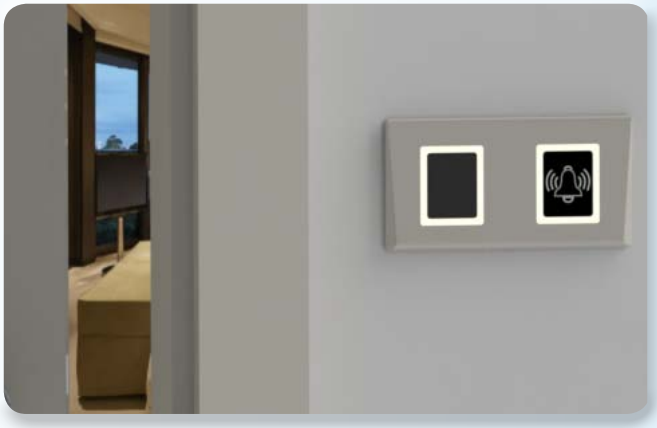
## 07 DINDC

Have two electronic touch sensors to change states of DND and Clean at Indicator. Also have built in electronic door bell.

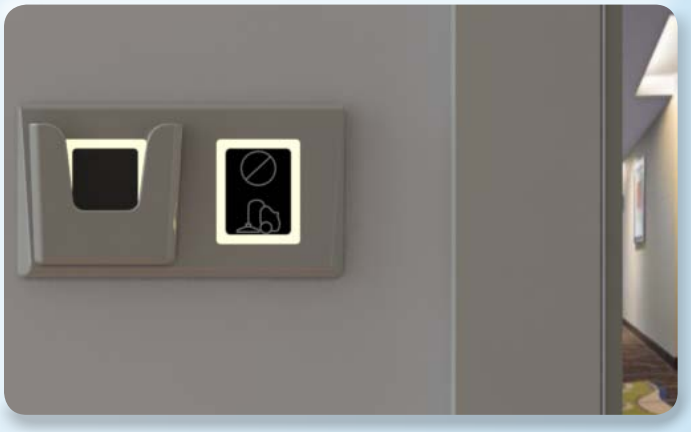
## SIMPLE INSTALLATION



MIFARE READER
CARD HOLDER

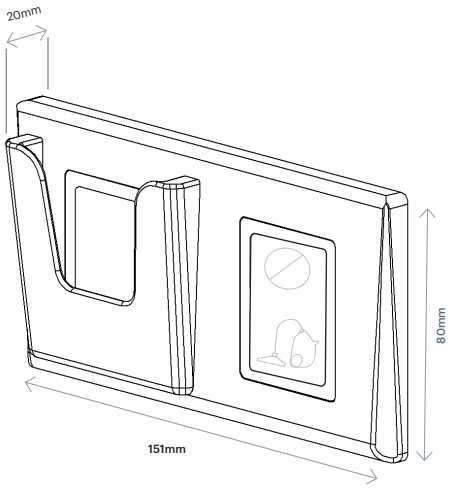


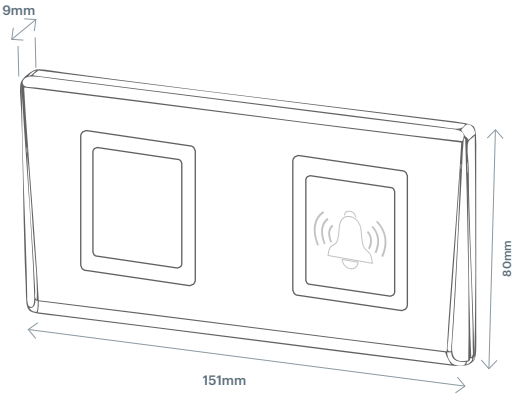
## COMPLETE INSTALLATION

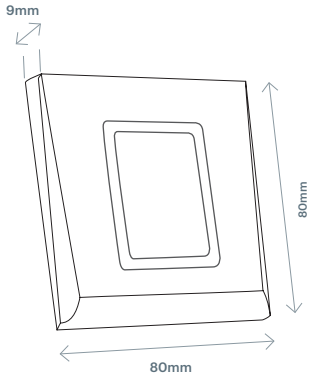


MIFARE READER
DND BUTTON
MAKE MY ROOM BUTTON
BELL BUTTON
CARD HOLDER

## DIMENSIONS

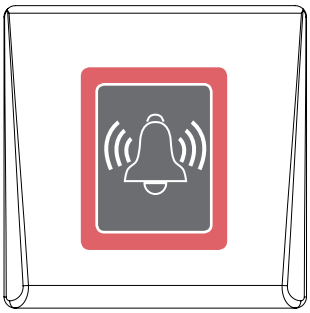


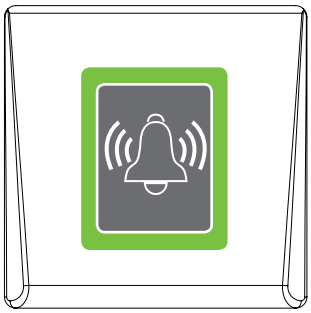




## LED INDICATIONS

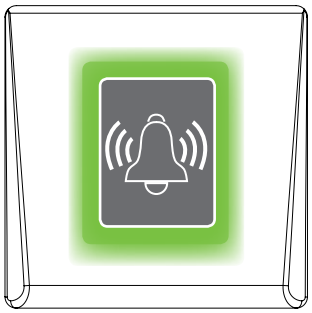
### OUTSIDE



RED LED
When Do Not Disturb Button is switched on. Bell is off.

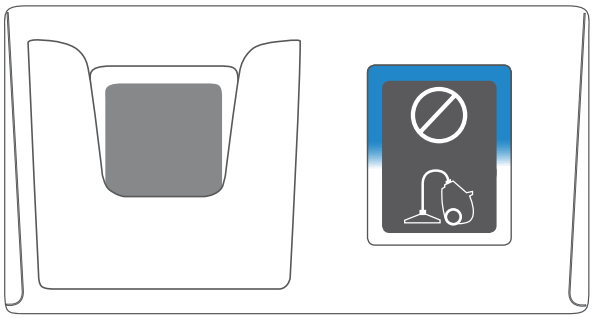


GREEN LED
When Make my room Button is switched on. Bell is on.

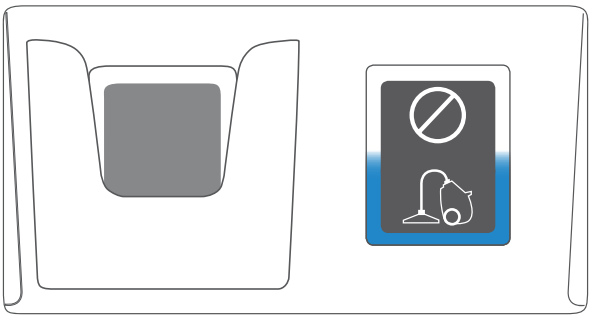


GREEN LED BLINKING
When the bell is ringing.

### INSIDE



BLUE LED ON TOP
When the DND button is switched on. Bell is off.



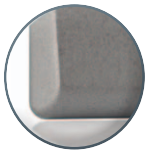
BLUE LED AT THE BOTTOM
When the Make my room button is switched on. Bell is on.

# SPECIFICATIONS

## READER - DINMTPX-MF-SA

**Mounting:** DIN flush mount
**Housing material:** ABS
**Power supply:** 12 V, 150 mA
**Data connectivity:** USB
**Output:** 1 built-in relay, RS485 for remote relay unit RU2, DINRTT, RTT
**Inputs:** Push button, DND (privacy), Card present
**Tamper:** Yes
**Signalization:** LED, buzzer
**Reader type:** Mifare R/W
**Cards supported:** Mifare Classic 1K, 4K
**Operating temperature range:** -20 - 40ºC Non-condensing
**User capacity:** Unlimited
**Events memory:** 3500 events
**Blacklist capacity:** 500 cards
**Software support:** PROH MS
**Schedule activation:** 4 definable actions of lock/unlock based on the time and week of the day
**Firmware upgrade:** Yes
**Programming modes:** by usb or by cards
**Reader mode:** Sector Read/Write
**Reader features:** Credit on card

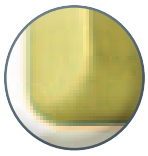
Light grey


Charcoal

White

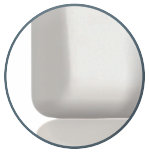
## INDICATOR - DINDB

**Mounting:** DIN flush mount
**Mask material:** ABS
**Power supply:** 12 V, 50 mA
**Output:** Transistor output for doorbell
**Inputs:** DND (privacy), Clean room
**Signalization:** LED
**Bell button type:** Electronic touch sensor
**Operating temperature range:** 0 - 40ºC Non-condensing
**Firmware upgrade:** No


Gold

## ENERGY SAVER - DINES

**Mounting:** DIN flush mount
**Mask material:** ABS
**Color:** Silver, Dark Grey and White
**Power supply:** 12 V, 100 mA
**Output:** Relay and transistor output for card present
**Signalization:** LED
**Operating temperature range:** 0 - 40ºC Non-condensing
**Card type:** Mifare Classic, Mifare Desfire


Silver

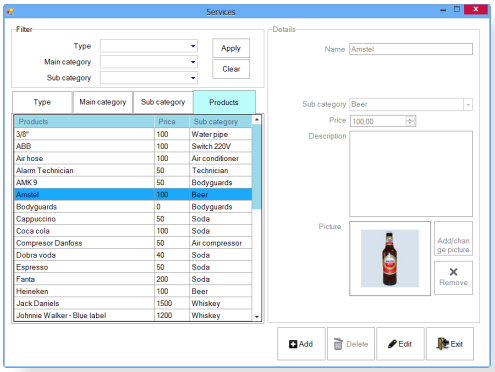
## DND - DINDC

**Mounting:** DIN flush mount
**Mask material:** ABS
**Power supply:** 12 V, 300 mA
**Output:** Transistor outputs for DND and Clean signalization
**Inputs:** Bell
**Signalization:** LED
**Button types:** Electronic touch sensor
**Operating temperature range:** 0 - 40ºC Non-condensing

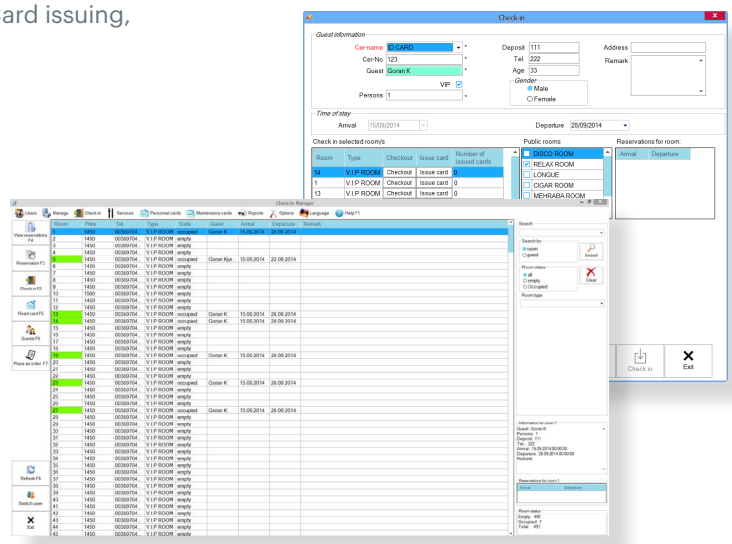
# HOTEL **SOFTWARE**

## **PROH MS** (HOTEL MANAGEMENT SOFTWARE)

- Unlimited number of guest and employee cards
- Capacity: 255 Buildings, 255 Floors each, 223 Doors per Floor, 32 Public rooms
- Manage guests access to rooms and public rooms (Restaurant, Gym....)
- Manage employees access
- Cards enrollment via PROX-USB Desktop Reader
- SQL Database
- 32 Public Rooms Management (Swimming pool, Gym, Conference Hall...)
- Hotel Guest can have customized access to Public Rooms
- Visitors (not guests) can have access to Public Room defined by time, date, weekday, number of entries.
- The Software includes: Reservation, Check In, Reporting, Card issuing, Room service
- Reports for Check-ins, cards, events, bills...
- USB connectivity to DINMTPX-MF-SA for configuration and events download
- Public rooms automatic open/close schedule
- Compatible hardware:
  - PROX-USB desktop card reader/Writer
  - HL1000-MF Hotel lock
  - DINMTPX-MF-SA standalone reader
- Client server software
- Multilanguage UK, FR, IT, ES, NL, DE.

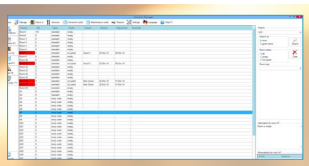


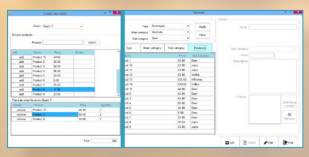

Clear visibility of the products for sale window.

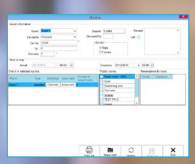


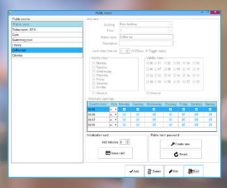

Easy to manage with the main control window.

ALL IN ONE SOFTWARE









HOTEL **SOLUTIONS**

### MAIN HOTEL

Main window enable clear view of rooms status, guests, number of vacant rooms.
Also enables quick search room name, status or guest
Simple interface make it easy to perform any operation like check in/out.

### SERVICES ORDER◦SERVICE PRODUCTS

Managing of the Guest orders and services make it easy to make final check out bill.

### BOOKING

Make booking of any room for any period.

### CHECK IN

Check in the guest and create room card.

### PUBLIC ROOM

Restrict public rooms access to guests only.
Rent public rooms for non guest usage.

## USAGE

Following combinations are possible for usage where appropriate.

| Application | Reader | RU2 | Energy Saver | Indicator | DND | Power Contactor | Power Supply 12 V |
|---|---|---|---|---|---|---|---|
| Full system, secure installation | x | x | x | x | x | x | x |
| Full system | x | | x | x | x | x | x |
| Access control only | x | | | | | | x |
| Access control only, secure installation | x | x | | | | | x |
| Room power control for other power management systems | | | x | | | | x |
| Access control secure installation with power control for other power management systems | x | x | x | | | | x |
| Access control secure installation with power control | x | x | x | | | x | x |
| DND/Clean signalization for other systems | | | | x | | | x |
| Standalone DND/Clean signalization and doorbell | | | | x | x | | x |
| Access control with DND/Clean signalization | x | | | x | x | | x |
| Access control with DND/Clean signalization, secure installation | x | x | | x | x | | x |
| Room power control for other power management systems, DND/Clean signalization and doorbell | | | x | x | x | | x |

# NOTES

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