Andivi Product & Solutions

Intelligent hotel room equipment

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Intelligent Hotel Room Equipment

All Intelligent Hotel Room Equipment

Andivi provides hotel automation equipment that allows to equip hotels with different solutions according to their preferred standards. Imagine the guest experience you would like to provide for the guest and Andivi will help you create it.

The entire integral hotel GUEST ROOM MANAGEMENT SOLUTION is explained on page 59.

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Energy Saving Switch

DESCRIPTION
Upon arrival the hotel guest card is placed in the NDV-ESS-2 energy saving switch, which activates the in-room power supply. sets the AC into Comfort mode, allows switching on the lights in the room and controlling the window blinds. When the card is withdrawn from the energy saving switch for a certain period of time, the power turns off, air conditioning is reset to Economy mode, the lights are turned off and the blinds’ controls disabled. An indispensable part of equipment that helps hotels save significant amounts of energy.

TECHNICAL DATA
- IP20 plastic housing.
- Voltage: 180-250V
- Power: 40A
- Mounting: standard 86×86mm mounting box
- Power cuts off automatically, when the card is removed for more than 15 seconds.
- Only Mifare cards can activate the power supply.

TYPE
- Andivi NDV-ESS2 - White (Energy Saving Switch in white finish)
- Andivi NDV-ESS2 - Black (Energy Saving Switch in black finish)
- Andivi NDV-ESS2 - Gold (Energy Saving Switch in gold finish)

MIFARE CARDS
All Andivi NDV-ESS2 energy saving switches work only with Mifare Cards.

CONNECTION
The Andivi NDV-ESS2 energy saving switch can be connected to all Andivi NDV door locks and also to Andivi TRC and Andivi NDV thermostats in order to save energy as the guest leaves the room.
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Hotel Guest Card

DESCRIPTION

NDV-M are Mifare cards, standard contactless RFID proximity cards. Each card is programmed to a single hotel room and can be reprogrammed several thousand times. If a card is lost, it can be cancelled in the hotel software immediately. Cards can be blank (white), or they can be customized according to your own design or brand identity.

TECHNICAL DATA

- Operating frequency: 13.56 Mhz
- Working temperature: -20°C – +50°C
- Anti-collision mechanism supports multi-card operation. You can keep the Mifare card together with other cards without risking interference or data loss.
- Fast data transfer: 106 kbps
- Divided into 16 sectors with 4 blocks each (one block consists of 16 bytes).
- Memory: 1/4 kbyte
- Operating distance: < 10 mm
- Contactless transmission of data and energy supply (no battery needed).
- Each card has a unique 32 sequence number.
- Write endurance: 100,000 cycles.
- Data retention: 10 years.
- Time of saving data: ≥ 100 years.

TYPES

- Andivi NDV-M-B
  Blank Mifare card, white, no branding
- Andivi NDV-M-P
  Printed Mifare card, custom design

MOCK-UP

The guest card can be designed according to your preferences.

Format: 54 x 85 mm
Filetype: PDF, PSD, TIF.

DESIGN

The entire integral HOTEL ROOM SOLUTION is explained on page 59.
The reception is equipped with a card encoder, which can record the relevant data on smart cards and contactless cards. Hotel-room-specific cards can be encoded, time limitations of access can be determined, prolonged or shortened, lost cards can be cancelled.

**DESCRIPTION**
The external RFID NDV-WRFIDk reader is built into the wall, directly adjacent to a door of the hotel room. When a guest approaches the reader with the contactless card, which is coded specifically for a given room, the hotel door opens automatically. The NDV-WRFIDk reader can be programmed to 200 different cards with the same access restrictions and is applicable in hotels, appartements, elderly homes, student dorms or parts of commercial buildings where limited access is required, for example to dining/fitness and other areas.

**TECHNICAL DATA**
- **Housing:** Plastic, IP20 (Optional: IP65) Indoor use (optional outdoor use).
- **Power Supply:** 12V DC
- **Card type:** Mifare 13.56 Mhz
- **Reading range:** 3-7cm
- **Size:** 73×113×15mm
- **Weight:** 83 g
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Access Control Power Supply

**DESCRIPTION**
The access control power supply supplies electrical power to the electric strike. It has a timer that limits the time the strike is released and allows the door to be opened.

**TECHNICAL DATA**
- **Input voltage**: 110 ~ 240V AC
- **Input Frequency**: 50-60Hz
- **Output voltage**: DC12V
- **Output current**: 3A
- **Output voltage trim range**: ±10% ~ ±15% Load: 1% typical
- **Output stability**: 0.5% typical
- **Ripple and noise**: 1%, peak to peak 100mVp-p typical
- **Insulation voltage**: Junior/sub-polar inter-1500 V AC, primary/shell between 1500 V AC, sub-polar/shell between 500V AC
- **Hold Time**: full load typically 20ms
- **Operating temperature**: -20°C ~ +65°C
- **Overload protection**: All outputs in a short circuit are overload protected; power output of 0-15 seconds delay locks
- **Outer steel case size**: 105×9×34mm
- **Weight**: 311g
- **Attention**: to prevent overload, an electronically controlled lock must be set to 0 seconds delay.

Electric strike

**DESCRIPTION**
The electric strike NDV-ES needs to be powered with an access control power supply (like Andivi NDV-PS). There, the timeout can be set which determines, for how long a door can be opened before the strike returns to locked mode. NDV-ES can be combined with almost endless possibilities of door handles or door knobs in various materials and designs.

**TECHNICAL DATA**
- **Material**: Stainless steel
- **Face plate**: 150×39.5×34 mm (lxw×h)
- **Voltage**: 12V DC
- **Current**: NO 450mA, NC 200mA
- **Feature**: Fail secure (NO)
  Fail safe (NC)
- **Weight**: 319g
- **Suitable for wooden doors.**