HDL®

HDL-MHIC.48

RF Card Reader & Master Control

buspro

Datasheet

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Edition V1.0.0

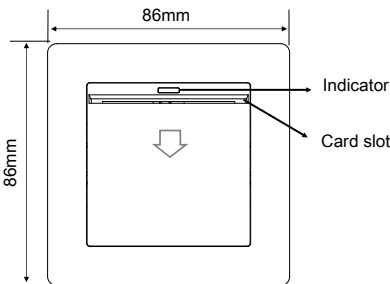Figure 1. HDL-MHIC.48 (Glass)   Figure 2. HDL-MHIC.48 (Aluminum)

86mm

86mm

Indicator

Card slot

Figure 3. Dimensions - Front View

20.5mm

Figure 4. Dimensions - Side View

Communication interface

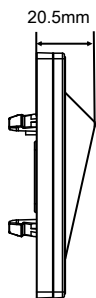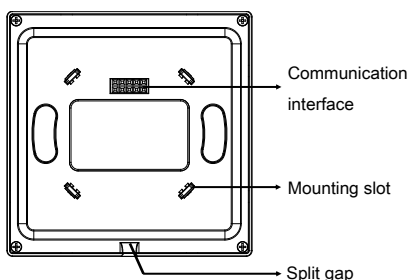Mounting slot

Split gap

Figure 5. Components - Back View

Overview

RF Card Reader & Master Control (See Figure 1) is designed to control the master card energy gaining and hotel guest room facility using. It has built-in MIFARE RF card reader and can recognize different types of card, including guest card, waiter card, cleaner card, mender card and administrator card.

Functions

- Supports master card energy gaining & power management.
- Supports ID recognition, scene control in accordance with various types of card.
- Supported card types: Guest card, waiter card, cleaner card, mender card and administrator card.
- The device can be set as mechanical switch when a card is inserted or taken off. Up to 49 targets can be set to be controlled by the switch. Up to 99 targets can be set to be controlled by the switch in other key modes.
- Online upgrading via HDL Buspro.

Important Notes

- The panel must be used in conjunction with the power interface.
- Buspro cable - CAT5E or dedicated HDL Buspro cable.
- Buspro connection - Series connection (hand-in-hand recommended).
- Installation - Wall box.
- Third party card: If the system involves third-party cards, the data of the cards should be shared with HDL-MHIC.48.

Product Information

Dimensions - See Figure 3 - 4

Components - See Figure 5

Card: The new cards have to be assigned by HDL Hotel Room Management System. There are totally 5 types of cards: Guest card, waiter card, cleaner card, mender card, administrator card. Each card type supports corresponding target scene.

Indicator: After power on, the indicator turns to red. And it turns to green after the card is inserted.

Master Card panel: The information of the panel should match the information of the card.

Communication interface and mounting slot: Connect to panel power interface.

Split gap: Insert a slotted screwdriver to the split gap, separate the panel and power interface.

Product installation and disassembly

Installation - See Figure 6 - 8

Step 1. Fix the power interface into the wall box with screws.

Step 2. Hold the edge of panel, then insert the panel into the power interface module vertically.

Disassembly - See Figure 9

Step 1. Insert the panel gap with a slotted screwdriver.

Step 2. Pry up the panel gently and hold the edge of the panel. Then the panel can be taken off.

Safety Precautions ⚠ WARNING

- The installation and commissioning of the device must be carried out by HDL or the organization designated by HDL. For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- The device should be installed in wall box. HDL does not take responsibility for all the consequences caused by installation and wire connection that are not in accordance with this document.
- Please do not privately disassemble the device or change components, otherwise it may cause mechanical failure, electric shock, fire or body injury.
- Please resort to our customer service department or designated agencies for maintenance service. The warranty is not applicable for the product fault caused by private disassembly.

Package Contents

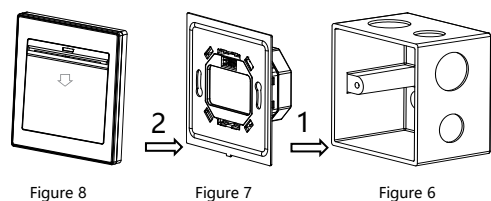HDL-MHIC.48*1 / IC card*1 / Datasheet*1

Figure 8   Figure 7   Figure 6
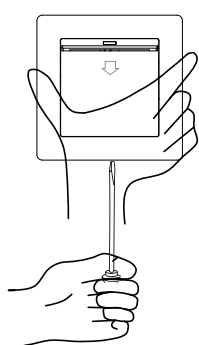
Figure 6 – 8. Installation

Figure 9. Disassembly

Technical Data

Basic Parameters

Working voltage	12~30V DC
Working current	24mA/24V DC
Supported card type	MIFARE ONE S50 13.56MHz
Communication	HDL Buspro

External Environment

Working temperature	-5℃~45℃
Working relative humidity	≤90%
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%

Specifications

Dimensions	86×86×20.5 (mm)
Net weight	MHIC.48(Glass): 107(g) MHIC.48(Aluminum): 68(g)
Housing material	MHIC.48(Glass): Glass, ABS MHIC.48 (Aluminum): Aluminum, ABS
Installation	Wall box (See Figure 6 - 8)
Protection rating (Compliant with EN 60529)	IP20

Name and Content of Hazardous Substances in Products

Components	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI (Cr (VI))	Poly-brominated biphenyls (PBB)	Poly-brominated diphenyl ethers (PBDE)
Plastic	o	o	o	o	o	o
Hardware	o	o	o	o	-	-
Screw	o	o	o	×	-	-
Solder	×	o	o	o	-	-
PCB	×	o	o	o	o	o
IC	o	o	o	o	×	×
Glass	o	o	o	o	o	o

The symbol "-" indicates that the hazardous substance is not contained.
The symbol "o" indicates that the content of the hazardous substances in all the homogeneous materials of the component is below the limit requirement specified in the Standard IEC62321-2015.
The symbol "×" indicates that the content of the hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement specified in the Standard IEC62321-2015.

HDL Buspro Cable

HDL Buspro	HDL Buspro Cable	CAT5/CAT5E
DATA+	Yellow	Blue/Green
DATA-	White	Blue white/Green white
COM	Black	Brown white/Orange white
24V DC	Red	Brown/Orange