

Datasheet

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Figure 1. RF Intelligent Door Bell and Access Reader

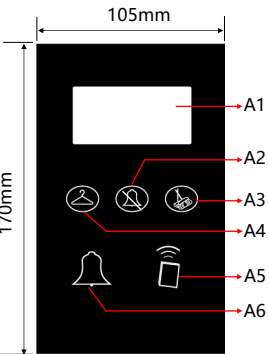


Figure 2. Dimensions - Front View



Figure 3. Dimensions - Side View

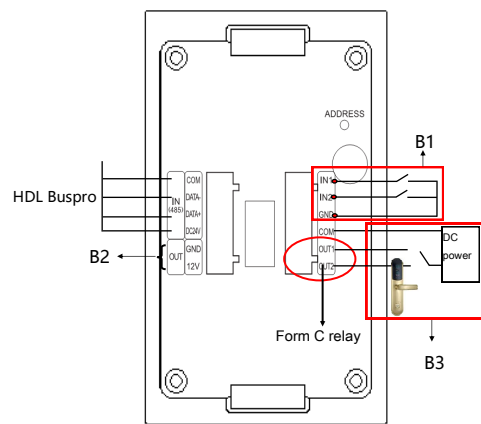
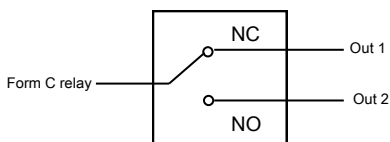


Figure 4. Wiring



The lock connection depends on the Out1 or Out2 type

Figure 5. Wiring

Overview

RF Intelligent Door Bell and Access Reader (See Figure1) is a door bell touch panel which is installed outside the room by the door. It can control the panel to indicate your requirements via the door bell panel, such as Laundry, DND and Clean Room.

Functions

- Shows room numbers, indicates the information of Laundry, DND and Clean Room.
- 2 dry contacts.
- Door bell.
- Open the Door by RF card & history record function.
- Support HDL Buspro online update.

Important Notes

- Buspro cable - CAT5E or dedicated HDL Buspro cable.
- Buspro connection - Series connection (hand-in-hand recommended)
- Installation - Wall box installation, outside the room by the door.

Product Information

Dimensions - See Figure 2 - 3

Wiring - See Figure 4 - 5

A1: Room number is displayed here, Universal switch No.4

A2: DND, Universal switch No.2

A3: Clean Room, Universal switch No.3

A4: Laundry, Universal switch No.1

A5: Door open, Universal switch No.6

A6: Doorbell, Universal switch No.5

The control setting of relay (can be controlled by relay itself or other panel devices):

Sub wet ID, device ID: the doorbell ID.

Type: Single channel adjustment

Parameter 1: 1

Parameter 2: 0(Off) / 100(On)

Parameter 3:0:0

B1: 2 CH dry contact

B2: 100mA/DC12V Power output

B3: 1-channel door lock relay, controlled by RF card. According to its current, it can add power supply and it can use Mix control module to open the door.

Installation - See Figure 6 - 7

Step 1. Install the wall box in the wall.

Step 2. Complete cable connection.

Step 3. Fix the doorbell on the wall box with screws.

Safety Precautions

- 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-MHBRF.1010*1 / Wall box*1 (including fixing plate*2 / screw*2) / Datasheet*1

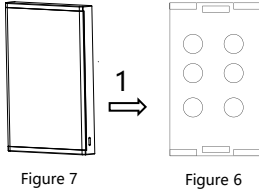


Figure 6 – 7. Installation

Technical Data

Basic Parameters

Working voltage	12~30V DC
Working current	45mA/24V DC
Communication	HDL Buspro

External Environment

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

Specifications

Dimensions	105×170×35 (mm)
Net weight	361g
Housing material	Glass
Installation	Wall box (See Figure 6 - 7)
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	x	-	-
Solder	x	o	o	o	-	-
PCB	x	o	o	o	o	o
IC	o	o	o	o	x	x
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 “x” 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 Guide

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

Technical support

E-mail: support@hdlautomation.com

Website: <https://www.hdlautomation.com>

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