HDL®

HDL-MPTC03.46/48
RF Card Reader & Master Control US/EU with 3 Service Buttons

buspro

Datasheet

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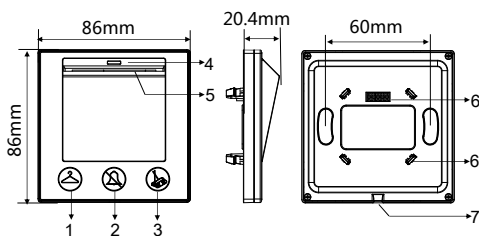

Figure 1. HDL-MPTC03.48

Figure 2. HDL-MPTC03.46

Figure 3   Figure 4   Figure 5

Figure 3 - 5. Dimensions
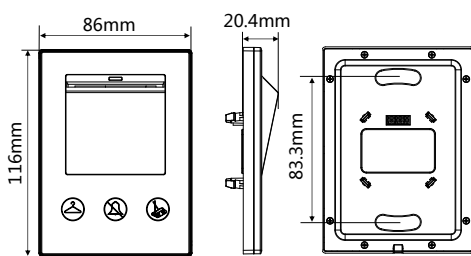
HDL-MPTC03.48

Figure 6   Figure 7   Figure 8

Figure 6 - 8. Dimensions

HDL-MPTC03.46

Overview

RF Card Reader & Master Control EU(US) with 3 Service Buttons (See Figure 1-2) is for energy control and room information of hotel guest room. It has built-in MIFARE RF card reader. Guest card, service card, cleaner card, etc. can be recognized by this panel, and it includes 3 touch buttons also. Customer can select US or EU standard panel according to their requirements.

Functions

- Master card for energy & power management.
- 3 touch buttons, sensitivity can be adjusted
- Button color RGB can be adjusted
- The touch button can be used as the panel button, or work with HDL touch door bell panel, can be displayed DND, Clean, Wait.
- Control of mechanical switch can be configured when inserting or taking off the card. Up to 49 targets can be controlled by the switch. Maximum 99 targets can be controlled by other button modes
- Support online update via HDL Buspro Setup Tool

Important Notes

- The card reader should 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 - EU wall box, installed near the guest room door.

Product Information

Product dimensions - See Figure 3 – 8

Button 1, 2 and 3 stand for touch buttons, and their controlled targets can be configured via software offline.

4.Indicator: After power on, it turns red. It turns green after inserting the card

5.Card slot

6. Communication interface and fastener: Connect to panel power interface

7. Split gap: Insert the slotted screw driver to the split gap, and separate the panel and power module

Note

This device can work with HDL touch door bell, when control 3 touch buttons (DND, Clean Room, Laundry), the touch door bell status will be displayed, and also can control other targets at the same time.

Card: The new cards have to be assigned by the hotel guest room management software. There are totally 5 types of cards: Guest card, waiter card, cleaner card, mender card, manager card. When you use different cards, you can control different target scenes.

Product installation and disassembly

Take HDL-MPTC03.48 as an example

Installation - See Figure 9 - 11

Step 1. Install the wall box in the wall.

Step 2. Fix the power interface onto the wall box with screws.

Step 3. Hold the edge of the panel, and insert the panel in the slots of power interface vertically.

Disassembly - See Figure 12

Step 1. Insert a straight screwdriver into the gap between the panel and power interface.

Step 2. Hold the panel, pry up the panel gently and take down the panel.

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-MPTC03.48 or HDL-MPTC03.46*1 / IC card*1 / Datasheet*1

Figure 11. RF card reader Figure 10. Power interface Figure 9. Wall box

Figure 9 - 11. Installation

Figure 12. Disassembly

Technical Data

Basic Parameters

Working voltage	12~30V DC
Working current	60mA/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	86×86×20.4 (mm) (EU) 116×86×20.4 (mm) (US)
Net weight	EU: 107g US: 330g
Housing material	Glass, ABS
Installation	Wall box (See Figure 9-11)
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 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