KeypadRFID   Quick Install

The HiRes Video Company

MOBOTIX

Keypad with Contactless RFID Technology

Weatherproof (IP65)
–30 to +60°C/–22 to +140°F

RFID cards
for keyless entry included
(1 admin card, 5 user cards)

**MOBOTIX KeypadRFID**
MX-Keypad1-EXT
(in triple frame silver)
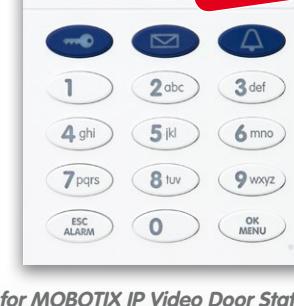
• Keypad module with 1 admin and 5 user RFID cards
• Mailbox control
• Integrated RFID technology for keyless entry
• Available colors: white, silver, dark gray, black, amber
• Up to 60 hrs backup power supply using DoorMaster
  (accessory)

Module for MOBOTIX IP Video Door Station

Keyless access to buildings using RFID transponder card or PIN code

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Standard Connection: KeypadRFID with IP Video Door Station, InfoModule and DoorMaster

Outdoor

Indoor

IP Video Door Station

Door

Door opener, door sensor, lock sensor
(YSTY 0.8 mm – max. length: 50 m/55 yd)

2

6

DoorMaster

KeypadRFID

2

InfoModule

MxBus (YSTY 0.8 mm – max. length: 50 m/55 yd)

Theft protection (YSTY 0.8 mm – max. length: 50 m/55 yd)
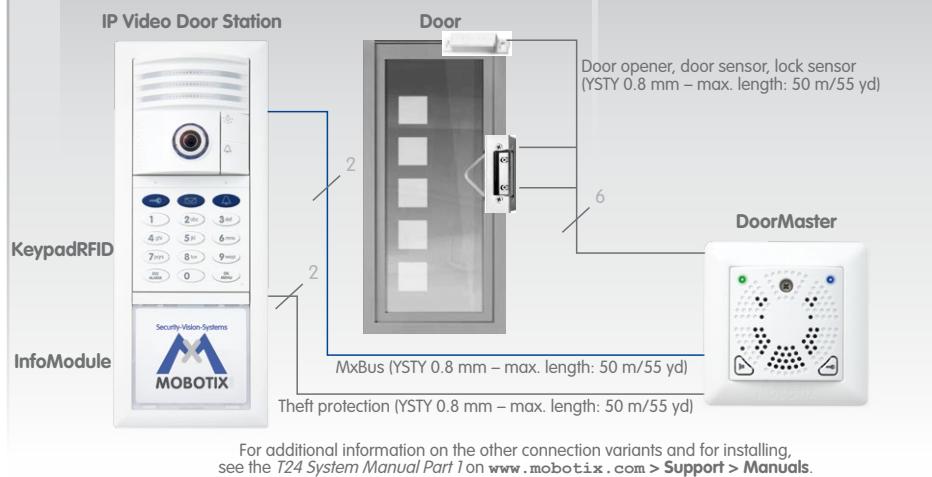
For additional information on the other connection variants and for installing,
see the *T24 System Manual Part 1* on **www.mobotix.com > Support > Manuals**.

Back view with cover removed

IN1+
IN1-
IN2+
IN2-
COM
COM
OUT A
OUT B

MX+
MX-
MX+
MX-

I/O terminal

Sealing plug

Seal

MxBus terminal

Installing the KeypadRFID

Installing the module follows the procedure described in the *T24 System Manual Part 1*, in *Section 2.4.2, "Installing the KeypadRFID"*. For more information on other connection variants (e.g. without DoorMaster), please see *Section 2.1, "Overview: Connection and Wiring Diagrams"*.

When installing the module in the frame, make sure that you insert the **right side of the module first** and then press on the **left edge** (and not on the center) to click the module into place.

2 **1**

Click

Operation

After installing, make sure that you follow the steps in the *T24 System Manual Part 2* in *Section 2, "Initial Operation without PC"*. This chapter shows you how to configure the entire system (including the RFID admin and user cards) in a few simple steps.

Replacing the KeypadRFID

If the KeypadRFID needs to be replaced against all expectations, you need a current backup of the system configuration. This will ensure that you can seamlessly integrate the new KeypadRFID into the system later on. Please follow the steps outlined in the *T24 System Manual Part 2* in *Section 5.2, "Backup & Restore"*.

To dismount the KeypadRFID, follow the steps in the *T24 System Manual Part 1* in *Section 2.4.6, "Removing and Exchanging Modules"*. Make sure that you deactivate the theft protection before dismounting the module and that you activate the theft protection again after re-installing.


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MOBOTIX

Operation: Keys and Signaling

MOBOTIX KeypadRFID
Order no.: MX-Keypad1-EXT

Left LED (green/red, status LED)

Right LED (blue)

Open door, messages, doorbell

10-key keypad

Function keys

MOBOTIX RFID cards

Admin card
Order no.: MX-AdminCard1
(1 included)

User card
Order no.: MX-UserCard1
(5 included)

Only for cards with activated mailbox feature – see T24 System Manual Part 2, «Adding User Cards»

Leave a message (standard mailbox)[1]

Press envelope key > welcome message plays > keep envelope key pressed and leave message

Welcome   keep pressed   Message

Play back messages*[1]

Hold up user card > keys 0 to 9 are blinking: 0 to 9 new messages > play back with key 0 to 9

0 ... 9   Messages

Record new welcome message for mailbox*[1]

Press OK/MENU and hold the key > hold up user card > press bell key > press bell key again > keep envelope key pressed and leave message > let go of envelope key > welcome message is activated

OK keep pressed   keep pressed
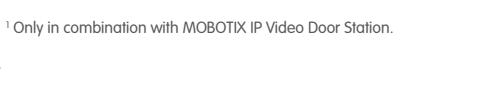
[1] Only in combination with MOBOTIX IP Video Door Station.

Open door with blue user card

Hold up user card > door is unlocked

Open door with PIN code

Enter PIN code > press key button > door is unlocked

0 ... 9   PIN code

Open door on power failure (red LED is blinking)[2]

Press ESC/ALARM (until illumination is on) > opening door with card or PIN is now possible for about 10 seconds

ESC keep pressed
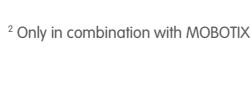
[2] Only in combination with MOBOTIX DoorMaster.

Status LED
● / ●

Status LED

Status LED		
● On	Normal status	
● On	Device error	
◑ Blinking	Power failure	

Technical Specifications	
Interface	MxBus
Inputs	2 galvanically separated inputs (AC/DC, self-powered, up to 50 V)
Outputs	1 isolated relay output (AC/DC, up to 50 V/60 W/2 A)
Protection class	IP65 (DIN EN 60529)
Operating temperature	−30 to +60°C/−22 to +140°F (DIN EN 50125)
Power Supply	MxBus
Power consumption	Typically 1 W
RFID cards: Type/Encryption	MIFARE DESFire EV1 3K3DES/AES

Notes

- Please follow the notes on installing and operating the device in the *T24 System Manual* (www.mobotix.com in the Support > Manuals section). This manual also contains wiring diagrams for the different scenarios.
- The MOBOTIX KeypadRFID is only to be used in the original frames of the IP Video Door Station.
- Before Installing, make sure that the seal on the back of the KeypadRFID has been properly attached.
- When inserting the module into the frame, only press at the edges, never at the center of the module.
- Make sure the device is not operated outside of its operating temperature range of −30 to +60°C/−22 to +140°F.
- BellRFID and KeypadRFID can only be used on one MxBus with a later software version of the camera.

Dimensions

99 mm/3.9 in

99 mm/3.9 in

Back

Cover   Seal

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