



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

**MOBOTIX KeypadRFID**  
MX-Keypad1-EXT  
(in triple frame silver)

## Keypad with Contactless RFID Technology

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

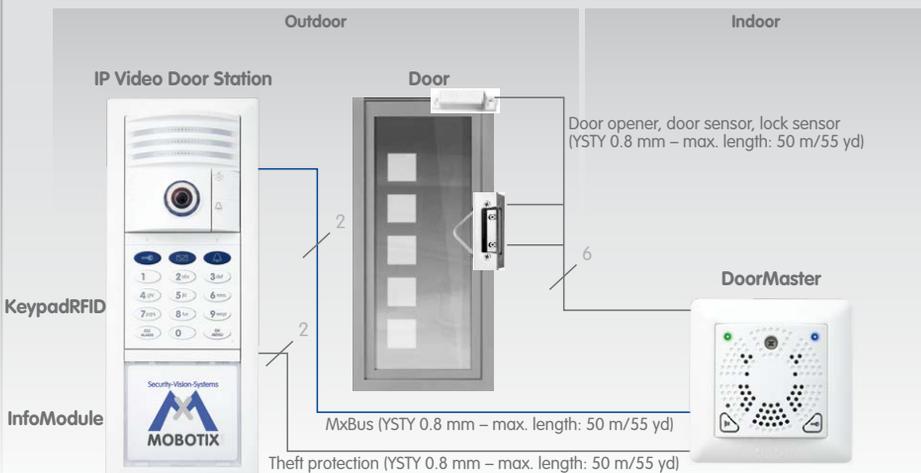


- Keypad module with 1 admin and 5 user RFID cards
- Mailbox control
- Integrated RFID technology for keyless entry
- Available colors: white, silver, dark gray, black, amber
- Up to 60 hrs backup power supply using DoorMaster (accessory)

*Module for MOBOTIX IP Video Door Station*

*Keyless access to buildings using RFID transponder card or PIN code*

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



For additional information on the other connection variants and for installing, see the *T24 System Manual Part 1* on [www.mobotix.com](http://www.mobotix.com) > Support > Manuals.

Back view with cover removed



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.



### 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.

### HiRes Video Innovations

The German company MOBOTIX AG is known as the leading pioneer in network camera technology and its decentralized concept has made high-resolution video systems cost-efficient.

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## Operation: Keys and Signaling



### Leave a message (standard mailbox)<sup>1</sup>

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



### Play back messages<sup>\*1</sup>

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



### Record new welcome message for mailbox<sup>\*1</sup>

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



<sup>1</sup> Only in combination with MOBOTIX IP Video Door Station.

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

### 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



### Open door on power failure (red LED is blinking)<sup>2</sup>

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



<sup>2</sup> Only in combination with MOBOTIX DoorMaster.



#### Status LED

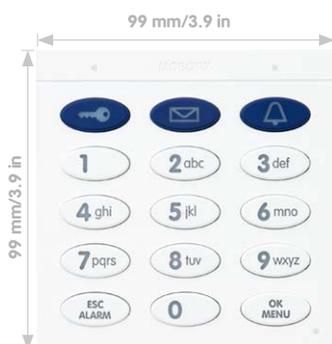
● On	Normal status
● On	Device error
● Blinking	Power failure

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 50155)
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](http://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



## Back



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