



Contactless Door Egress Device (US Standard)

Design Philosophy

- Match OEM reader design in order to maximize the marketing value at the door.

Abbreviation

- REX2-e – Economic Request to Exit button. Basic model without chimer and sirens.
- REX2-i – Intelligent Request to Exit button. Model with chimer and sirens.
- REX2-s – Safety Request to Exit Device. Model with Break Glass function.

Technology & Function

- Capacitance Proximity Technology has been used instead of Infar-red technology – environmental independent design.
- When the device is activated, indicator light will change color with an audible tone – very user friendly.
- Icon indicators to alert the user for Door Held Open, Fire Alarm and Mains Failure situation.
- Build-in Mechanical Override in case power failure or electronic failure.
- Build-in Door Chimer to interact with the “*” sign on Magic series Number pad reader.
- Build-in Fire Alarm input. If the fire input got trigger, the lock will be released automatically.
- Embedded a traditional Break Glass device with “test key”. When activated, both Visible and Auditable alert will trigger to provide better indication of the door location under emergency situation.
- Support Remote Control (433MHz) to trigger the REX remotely.

Friendly Installation



All inputs are 12Vdc protected.



All input and output signals are protected against static charges.



Reverse power protection.

Specification:

Model	REX2-i		REX2-s	
Functions				
Functional Specification				
Request to Exit indication	Color changes from Blue to Green with a beep			
Request to Exit output	Dry contact output for 1 seconds (NC/NO selectable)			
RTE Output (dry contact)	NC/NO jumper selectable rated @ 30Vdc; 1A			
Mechanical Override	Available for all models			
Tamper protection	Available for all models			
Remote Button (Optional)	433.896MHz (Max supports 5 remote buttons at the same time.)			
Alarm Output	Dry contact output follow the Fire input (NC/NO selectable)			
Door Held Open Indication icon	The icon will change to blue and beep every 5 seconds			
Door Held Open High/Low level input jumper	High/Low level input jumper selectable			
Buzzer for DHO and RTE activate	Jumper enable/disable			
Main Power failure Indicator	Mains failure dry contact output from Power Supply. The icon will change to orange when activated			
Fire Alarm Indicator	The icon will change to red and siren will activated			
Fire Alarm Input	When trigger, back lit will flash in Red the siren will activate		When trigger, the lock will release and back lit will flash in Red & siren will activate	
Speaker	Equipped for Door Chimer and Siren			
“Break Glass” function	N/A		Hit hard at the center	
Dimension	118.2 (L) X 74.2 (W) X 8.5 (H) mm (above surface)			
Technical Specifications				
Typical Read range	~3 to 4cm			
Electric Lock bypass relay	N/A		30Vdc; 2A (max)	
Electric Box Requirement	Please make sure the gang box is similar to the diagram as display.			
Weight	157g			

Operating Specification:

Operating Voltage	9 - 15VDC	Case material	PC+ABS
Operating Current	150mA (max @ 12Vdc)	Standard Color	Black & White
Operating Temperature	-20°C-60°C	Operating Humidity	10% - 90%

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.