



iREX™

Intelligent Request-to-Exit Detector
with the IQ feature

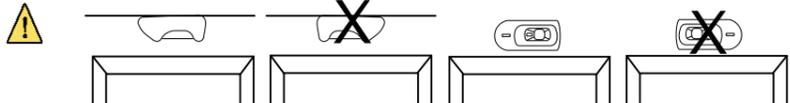


INSTALLATION INSTRUCTIONS

DESCRIPTION

iREX and iREX Plus are PIR detectors specifically designed for request-to-exit (REX) and request-to-enter (REN) applications. The iREX detectors are designed with the IQ feature (Intelligent Queuing) used to remotely enable or disable the iREX. The iREX detectors can be installed as stand alone units or in conjunction with Access Control systems. The iREX can be mounted on both walls and ceilings and are designed with flexible adjustment to cover the specific needs of each secured area.

1. INSTALLATION



IMPORTANT:
The iREX should always be installed with the rounded side of the detector pointing to your left side when you are facing the iREX.

iREX Components:

- Remove the cover from the detector tube.
- Insert the detector tube into the base unit.
- Secure the detector tube with the provided screws.
- Attach the cover to the base unit.
- Mount the base unit to the wall using the provided screws.
- Adjust the detector's field of view using the adjustment screws.
- Secure the cover to the base unit.
- Adjust the detector's field of view using the adjustment screws.
- Mount the detector to the wall using the provided screws.
- Adjust the detector's field of view using the adjustment screws.
- Secure the cover to the base unit.
- Adjust the detector's field of view using the adjustment screws.

Adjusting Buzzer Volume:

Buzzer Volume Adjustment

- Turn the volume adjustment screw clockwise to increase volume.
- Turn the volume adjustment screw counter-clockwise to decrease volume.
- Turn the volume adjustment screw to the MIN or MAX position.

Masking:

To insert a masking wedge:

To remove a masking wedge:

Masking Coverage:

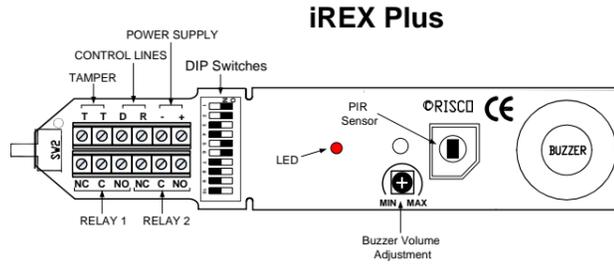
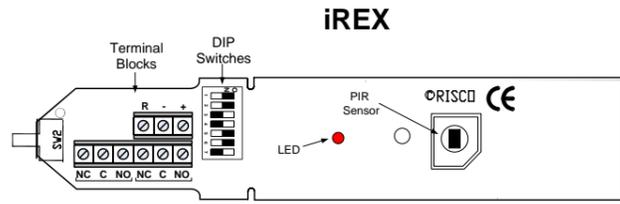
2. MOUNTING AND DETECTION

Wall Mounting 2.3m Position 0	Ceiling Mounting 2.3m Position 0	Wall Mounting 4.6m Position 0	Ceiling Mounting 4.6m Position 0

Wall Mounting 2.3m Position A	Wall Mounting 2.3m Position B

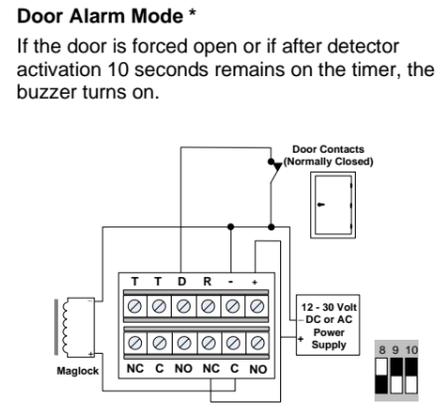
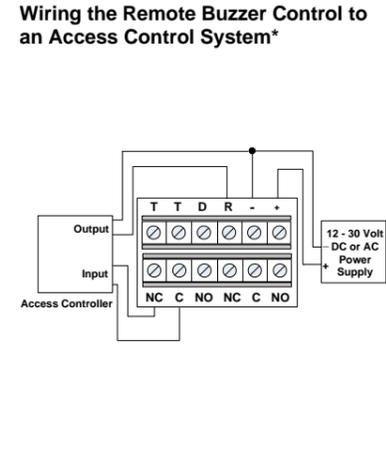
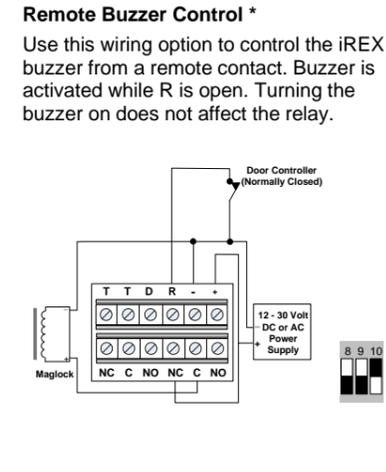
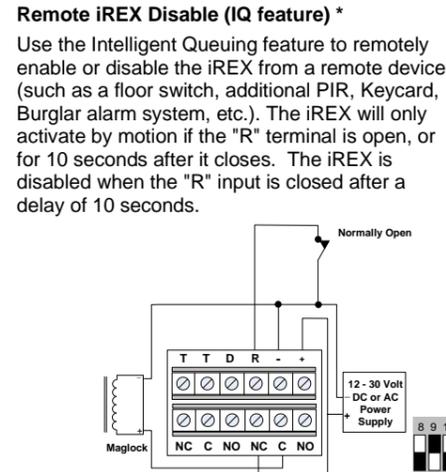
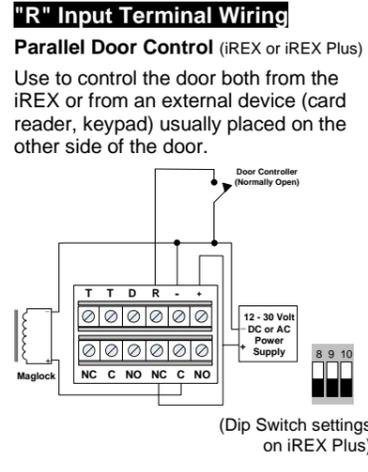
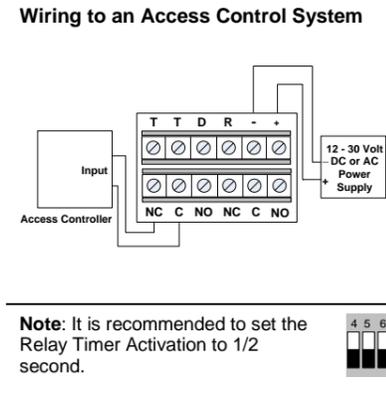
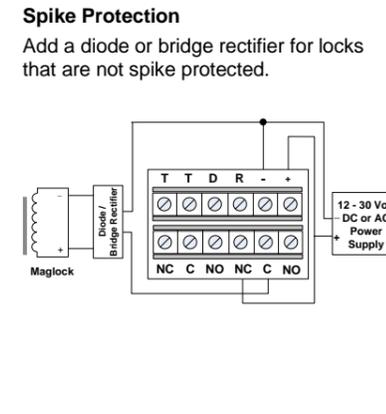
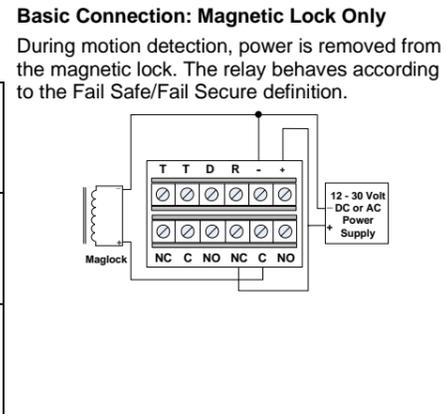
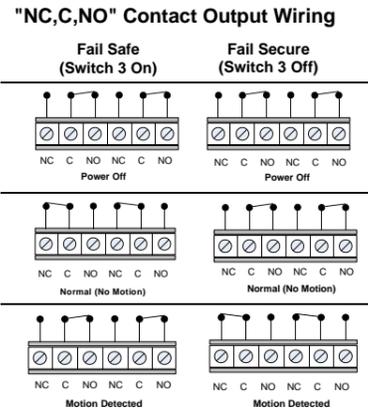
NOTE:
Do not mount the detector in direct sunlight or near heated sources and metal objects.

3. WIRING



Note: Conduct a Walk Test at least once a year.
No other maintenance is needed for the product.

Terminal	Application
"+" "-" Power Connection	Connect to power supply between (+) and (-) terminal. (Voltage must be between 12-30 VAC or DC)



Notes: Relay Timer Mode must be set for at least 16 seconds



NOTE:
* Available on iREX Plus only

4. DIP SWITCH OPTIONS

Switch	Function	Description																																								
1	LED Operation	ON (default) - LED is activated. The LED turns on when motion is detected. OFF - LED is disabled.																																								
2	Timer Reset Mode	ON (default) - Relay timer resets when motion is detected during the Relay operation time. OFF - Relay timer does not reset when motion is detected during the Relay time.																																								
3	Relay Mode	This switch defines the relay's operation when power is removed from the iREX. OFF (default) - Fail Secure mode. When power is removed from the iREX a locked door will remain locked and secured against opening. (This mode should be authorized by your local authority) ON - Fail Safe mode. When power is removed from the iREX a locked door will unlock and be safely opened. (See Contact Output Wiring)																																								
4, 5, 6	Relay Timer Activation	<table border="1"> <thead> <tr> <th>Relay Timer (seconds)</th> <th colspan="3">Switch</th> </tr> <tr> <td></td> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr> <td>1/2</td> <td>OFF</td> <td>OFF</td> <td>OFF</td> </tr> <tr> <td>1</td> <td>OFF</td> <td>OFF</td> <td>ON</td> </tr> <tr> <td>2</td> <td>OFF</td> <td>ON</td> <td>OFF</td> </tr> <tr> <td>4 (default)</td> <td>OFF</td> <td>ON</td> <td>ON</td> </tr> <tr> <td>8</td> <td>ON</td> <td>OFF</td> <td>OFF</td> </tr> <tr> <td>16</td> <td>ON</td> <td>OFF</td> <td>ON</td> </tr> <tr> <td>32</td> <td>ON</td> <td>ON</td> <td>OFF</td> </tr> <tr> <td>64</td> <td>ON</td> <td>ON</td> <td>ON</td> </tr> </tbody> </table>	Relay Timer (seconds)	Switch				4	5	6	1/2	OFF	OFF	OFF	1	OFF	OFF	ON	2	OFF	ON	OFF	4 (default)	OFF	ON	ON	8	ON	OFF	OFF	16	ON	OFF	ON	32	ON	ON	OFF	64	ON	ON	ON
Relay Timer (seconds)	Switch																																									
	4	5	6																																							
1/2	OFF	OFF	OFF																																							
1	OFF	OFF	ON																																							
2	OFF	ON	OFF																																							
4 (default)	OFF	ON	ON																																							
8	ON	OFF	OFF																																							
16	ON	OFF	ON																																							
32	ON	ON	OFF																																							
64	ON	ON	ON																																							
7	Signal Processing	Determines the detector's PIR detection sensitivity to movement. ON - High PIR sensitivity OFF (default) - Low PIR sensitivity.																																								
8, 9, 10	Remote Input Functions (See Wiring options)	<table border="1"> <thead> <tr> <th rowspan="2">Function</th> <th colspan="3">Switch</th> </tr> <tr> <th>8</th> <th>9</th> <th>10</th> </tr> </thead> <tbody> <tr> <td>Parallel Door Control (default)</td> <td>OFF</td> <td>OFF</td> <td>OFF</td> </tr> <tr> <td>Remote Buzzer Control *</td> <td>OFF</td> <td>OFF</td> <td>ON</td> </tr> <tr> <td>Remote iREX Disable *</td> <td>OFF</td> <td>ON</td> <td>OFF</td> </tr> <tr> <td>Door Alarm Mode *</td> <td>OFF</td> <td>ON</td> <td>ON</td> </tr> <tr> <td>Door Secure Mode *</td> <td>ON</td> <td>ON</td> <td>ON</td> </tr> </tbody> </table>	Function	Switch			8	9	10	Parallel Door Control (default)	OFF	OFF	OFF	Remote Buzzer Control *	OFF	OFF	ON	Remote iREX Disable *	OFF	ON	OFF	Door Alarm Mode *	OFF	ON	ON	Door Secure Mode *	ON	ON	ON													
Function	Switch																																									
	8	9	10																																							
Parallel Door Control (default)	OFF	OFF	OFF																																							
Remote Buzzer Control *	OFF	OFF	ON																																							
Remote iREX Disable *	OFF	ON	OFF																																							
Door Alarm Mode *	OFF	ON	ON																																							
Door Secure Mode *	ON	ON	ON																																							

NOTE:
* Available on iREX Plus only

TECHNICAL SPECIFICATIONS

Power	
Voltage	12-30 Volts DC or AC
Current Consumption	8mA standby, iREX: 30mA max (Relay+LED), iREX Plus: 50mA max at 12/24 VDC (including Buzzer)
Relay Output Rating	1A @ 30 volts DC or AC, two form "C" contacts
Tamper Output Rating	50mA @ 30 volts DC or AC
Buzzer Output (iREX Plus)	85dB with adjustable volume
Output Level at 10ft	69dBA
Detection System	
Mounting Height	2.3m - 4.6m (7.5ft - 15ft)
Detection range Width	From 0.6m (2ft) up to 2.4m (7.9ft)
Physical	
Dimensions (LxHxD)	177mm x 50mm x 45mm
Weight	150g
Color	White
Environmental	
Operating Temperature	-20°C to 55°C (-4°F to 131°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Humidity	Up to 75%

Note: For indoor use only.

ORDERING INFORMATION

Model	Description
RK700PRP	iREX Plus Request-to-Exit PIR White/Black

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, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications to this equipment which are not expressly approved by the party responsible for compliance (RISCO Group's) could void the user's authority to operate the equipment.
FCC 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 on and off, 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 the receiver.
• Connect the equipment into an outlet on a different circuit from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

UKCA and CE EMC Compliance Statement
Hereby, RISCO Group declares that this equipment is in compliance with the essential requirements of the UKCA Electromagnetic Compatibility Regulations 2016 and CE Directive 2014/30/EU.
For the UKCA and CE Declaration of Conformity please refer to our website: www.riscogroup.com

RISCO Group Limited Warranty
RISCO Group and its subsidiaries and affiliates ("Seller") warrants its products to be free from defects in materials and workmanship under normal use for 24 months from the date of production. Because Seller does not install or connect the product and because the product may be used in conjunction with products not manufactured by the Seller, Seller can not guarantee the performance of the security system which uses this product. Sellers obligation and liability under this warranty is expressly limited to repairing and replacing, at Sellers option, within a reasonable time after the date of delivery, any product not meeting the specifications. Seller makes no other warranty, expressed or implied, and makes no warranty of merchantability or of fitness for any particular purpose. In no case shall seller be liable for any consequential or incidental damages for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever. Seller's obligation under this warranty shall not include any transportation charges or costs of installation or any liability for direct, indirect, or consequential damages or delay. Seller does not represent that its product may not be compromised or circumvented; that the product will prevent any person; injury or property loss by intruder, robbery, fire or otherwise; or that the product will in all cases provide adequate warning or protection. Buyer understands that a properly installed and maintained alarm may only reduce the risk of intruder, robbery or fire without warning, but is not insurance or a guaranty that such will not occur or that there will be no personal injury or property loss as a result. Consequently seller shall have no liability for any personal injury, property damage or loss based on a claim that the product fails to give warning. However, if seller is held liable, whether directly or indirectly, for any loss or damage arising from under this limited warranty or otherwise, regardless of cause or origin, sellers maximum liability shall not exceed the purchase price of the product, which shall be complete and exclusive remedy against seller. No employee or representative of Seller is authorized to change this warranty in any way or grant any other warranty.
WARNING: This product should be tested at least once a week.

Contacting RISCO Group
RISCO Group is committed to customer service and product support. You can contact us through our website (www.riscogroup.com) or at the following telephone and fax numbers:

United Kingdom Tel: +44-161-655-5500 technical@riscogroup.co.uk	Belgium Tel: +32-2522 7622 support-be@riscogroup.com
Italy Tel: +39-02-66590054 support@riscogroup.it	China Tel: +86-21-52-39-0066 support-cn@riscogroup.com
Spain Tel: +34-91-490-2133 support-es@riscogroup.com	Israel Tel: +972-3963-7777 support@riscogroup.com
France Tel: +33-164-73-28-50 support-fr@riscogroup.com	



All rights reserved. No part of this document may be reproduced in any form without prior written permission from the publisher.
© RISCO Group 04/23 5IN700PR E