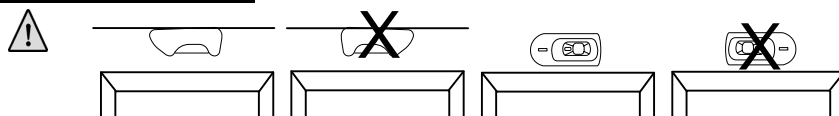


DESCRIPTION

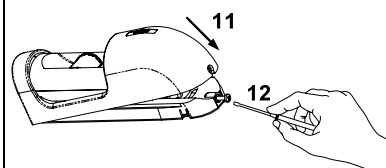
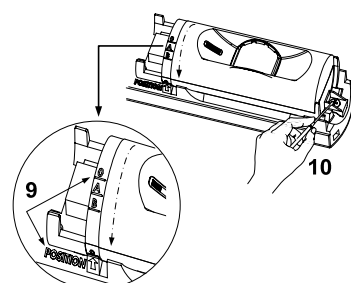
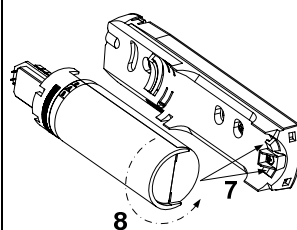
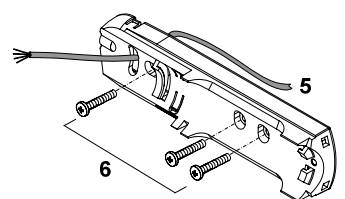
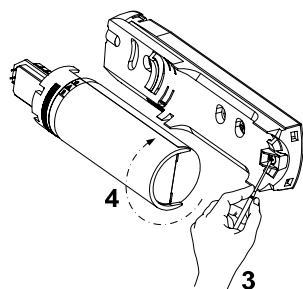
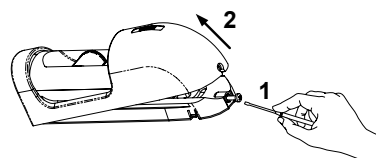
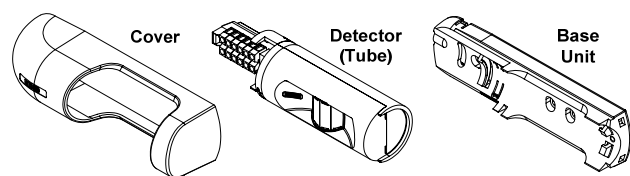
1. INSTALLATION



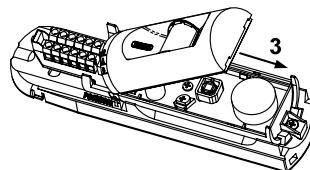
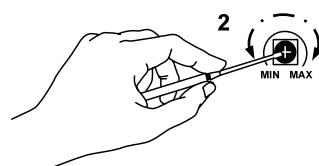
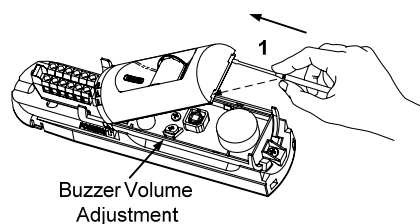
IMPORTANT:

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:

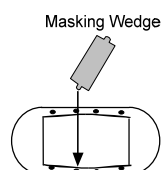


Adjusting Buzzer Volume:

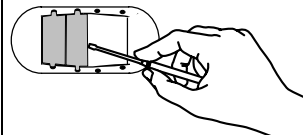


Masking:

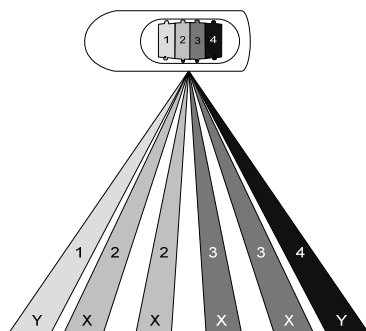
To insert a masking wedge:



To remove a masking wedge:

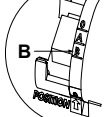
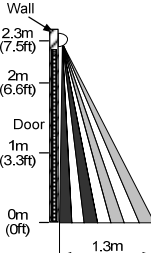
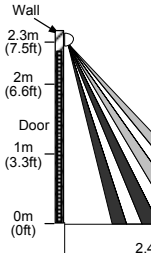


Masking Coverage:



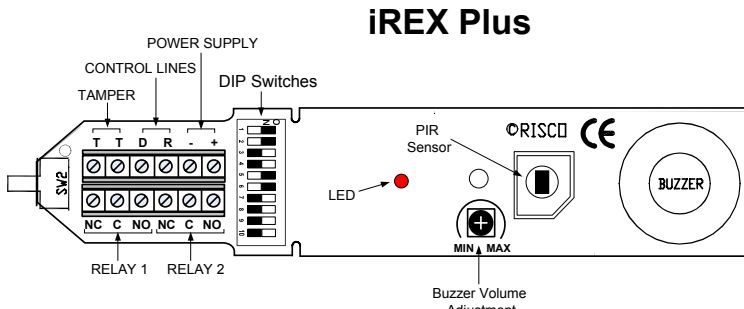
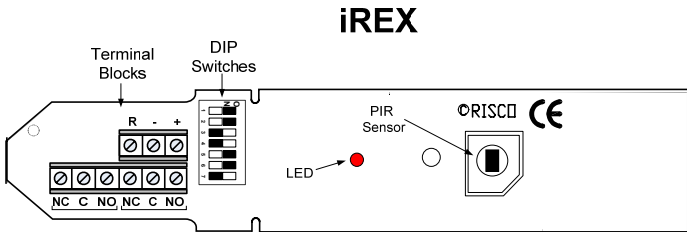
2. MOUNTING AND DETECTION

Wall Mounting 2.3m Position 0	Ceiling Mounting 2.3m Position 0	Wall Mounting 4.6m Position 0	Ceiling Mounting 4.6m Position 0
Front View Top View Side View	Front View Top View Side View	Front View Top View Side View	Front View Top View Side View

Wall Mounting 2.3m Position A  A circular inset diagram showing a side view of the mounting bracket. Two points, labeled 'A', are indicated on the vertical support structure. The bracket is labeled 'PERUGINO LT'.	Wall Mounting 2.3m Position B  A circular inset diagram showing a side view of the mounting bracket. Two points, labeled 'B', are indicated on the vertical support structure. The bracket is labeled 'PERUGINO LT'.
Side View  Diagram illustrating the side view of the mounting bracket for Position A. The vertical distance from the wall to the top of the bracket is 2.3m (7.5ft). The vertical distance from the wall to the door is 2m (6.6ft). The vertical distance from the door to the bottom of the bracket is 1m (3.3ft). The horizontal distance from the wall to the bottom of the bracket is 1.3m (4.3ft).	Side View  Diagram illustrating the side view of the mounting bracket for Position B. The vertical distance from the wall to the top of the bracket is 2.3m (7.5ft). The vertical distance from the wall to the door is 2m (6.6ft). The vertical distance from the door to the bottom of the bracket is 1m (3.3ft). The horizontal distance from the wall to the bottom of the bracket is 2.4m (7.9ft).



3. WIRING



Note: Conduct a Walk Test at least once a year.

Terminal

"+" "-" Power Connection

"NC,C,NO" Contact Output Wiring

Fail Safe (Switch 3 On)

Fail Secure (Switch 3 Off)

Normal (No Motion)

Motion Detected

Basic Connection: Magnetic Lock Only

Spike Protection

Wiring to an Access Control System

"R" Input Terminal Wiring

Parallel Door Control (iREX or iREX Plus)
Use to control the door both from the iREX or from an external device (card reader, keypad) usually placed on the other side of the door.

Remote iREX Disable (IQ feature) *
Use the Intelligent Queuing feature to remotely enable or disable the iREX from a remote device (such as a floor switch, additional PIR, Keycard, Burglar alarm system, etc.). The iREX will only activate by motion if the "R" terminal is open, or for 10 seconds after it closes. The iREX is disabled when the "R" input is closed after a delay of 10 seconds.

Remote Buzzer Control *
Use this wiring option to control the iREX buzzer from a remote contact. Buzzer is activated while R is open. Turning the buzzer on does not affect the relay.

Wiring the Remote Buzzer Control to an Access Control System*

"D" Input Terminal Wiring *

Door Alarm Mode *
If the door is forced open or left open for 10 seconds the buzzer turns on.

Door Secure Mode *
When the iREX is activated but the door remains closed, the relay will drop out after ten seconds. When the iREX is activated and the door is opened and then closed, the relay will drop out after 2 seconds.

"T" Tamper Switch Wiring *

Notes: Relay Timer Mode must be set for at least 16 seconds
The Door Alarm Mode is not to be considered as a UL listed Burglar Alarm System.

NOTE:

*** Available on iREX Plus only**

4. DIP SWITCH OPTIONS

Switch	Function	Description																																				
1	LED Operation	ON (<i>default</i>) - LED is activated. The LED turns on when motion is detected. OFF - LED is disabled.																																				
2	Timer Reset Mode	ON (<i>default</i>) - 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 (<i>default</i>) - <i>Fail Secure</i> 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 - <i>Fail Safe</i> 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><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><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(<i>default</i>)</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></table>	Relay Timer (seconds)	Switch				4	5	6	1/2	OFF	OFF	OFF	1	OFF	OFF	ON	2	OFF	ON	OFF	4(<i>default</i>)	OFF	ON	ON	8	ON	OFF	OFF	16	ON	OFF	ON	32	ON	ON	OFF
Relay Timer (seconds)	Switch																																					
	4	5	6																																			
1/2	OFF	OFF	OFF																																			
1	OFF	OFF	ON																																			
2	OFF	ON	OFF																																			
4(<i>default</i>)	OFF	ON	ON																																			
8	ON	OFF	OFF																																			
16	ON	OFF	ON																																			
32	ON	ON	OFF																																			
7	Signal Processing	Determines the detector's PIR detection sensitivity to movement. ON - High PIR sensitivity OFF (<i>default</i>) - Low PIR sensitivity.																																				
8, 9, 10	Remote Input Functions (See Wiring options)	<table><tr><th>Function</th><th colspan="3">Switch</th></tr><tr><td></td><th>8</th><th>9</th><th>10</th></tr><tr><td>Parallel Door Control (<i>default</i>)</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></table>	Function	Switch				8	9	10	Parallel Door Control (<i>default</i>)	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																																					
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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	Black or White
Environmental	
Radio Frequency Interference (RFI) Immunity	30 V/m from 10 MHz to 2 GHz
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	
Part Number	Description
RK700PR0W00A	iREX Request-to-Exit PIR White
RK700PR0B00A	iREX Request-to-Exit PIR Black
RK700PRPW00A	iREX Plus Request-to-Exit PIR White
RK700PRPB00A	iREX Plus Request-to-Exit PIR Black

For UL Standard 294 Compliance:

1. RFI is not verified by UL.

2. IQ remote feature is UL listed when it is controlled by Access Control units and not burglar alarm units.

3. NFPA 101 requires the use of Fail Safe relay mode. Fail Secure relay mode should be used where accepted under Local Authority jurisdiction.

4. Setting of low sensitivity at the mounting height of 15ft and 8.5ft may affect the maximum range.

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. Sellers 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's 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, seller's 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:

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