

# REMOTE CONTROL

How to use the remote control



Visit website for available languages of this document.

## KEYS



### GENERAL KEYS

	Unlock
	Lock
	Check value
	Incremental increase
	Incremental decrease
0-9	Setup / Teach-in Factory values Presettings

### FUNCTION KEYS


See pages 3 – 12 for button assignments per product.

### COLOR KEYS

	LZR-FLATSCAN	LZR-WIDESCAN
	/	Virtual Pull Cord
	Safety	Safety
	Motion	Reopening
	/	Presence

## PRODUCTS

LZR-I30 / LZR-S600 .....	3	BODYGUARD-T .....	10
FALCON / FALCON EX / PHOENIX EX .....	4	LZR-FLATSCAN SW .....	11
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## GENERAL REMOTE USE



After unlocking, the red LED flashes and the sensor can be adjusted by remote control.

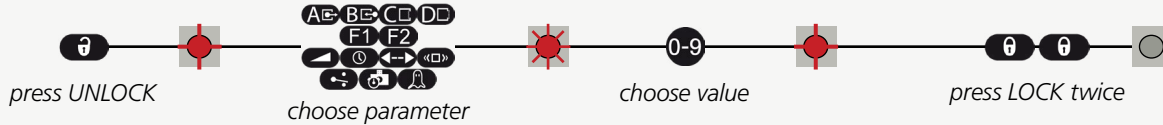


If the red LED flashes quickly after unlocking, you need to enter an access code from 1 to 4 digits.

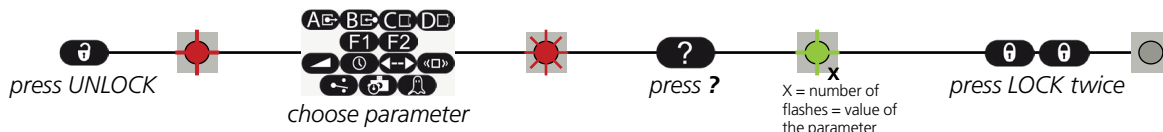


To end an adjustment session, always lock the sensor.

### ADJUSTING ONE OR MORE PARAMETERS



### CHECKING A VALUE



### RESTORING TO FACTORY VALUES



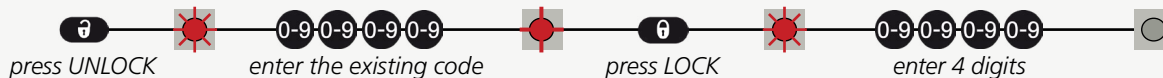
\* When no green LED is available, the signal is red.

### SAVING AN ACCESS CODE

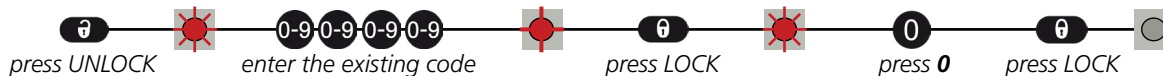


The access code (1 – 4 digits) is recommended to set sensors that are installed close to each other.

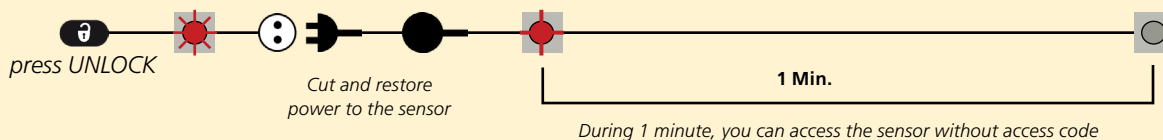
### CHANGING AN ACCESS CODE



### DELETING AN ACCESS CODE



If you forget the access code, proceed as follows:



LED flashes quickly



LED flashes



LED flashes slowly



LED flashes once















LED is off



A Halma company

Tech Support: 1-800-407-4545 | Customer Service: 1-800-523-2462 | General Tech Questions: techservices-us@BEAsensors.com | www.BEAsensors.com






## APPENDIX: LZR-I30 / LZR-S600 FUNCTIONS

BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	MOUNTING SIDE		LEFT (background)	RIGHT (background)	LEFT (no background)	RIGHT (no background)	CENTER (no background)				
	OPTIONAL FIELD WIDTH	<b>I30:</b> no field = 000 / minimum = 020 / maximum = 360 / default = 200 <b>S600:</b> no field = 000 / minimum = 020 / maximum = 984 / default = 400									
	OPTIONAL FIELD HEIGHT	<b>I30:</b> no field = 000 / minimum = 020 / maximum = 360 / default = 200 <b>S600:</b> no field = 000 / minimum = 020 / maximum = 984 / default = 400									
	SAFETY FIELD WIDTH	<b>I30:</b> no field = 000 / minimum = 020 / maximum = 360 / default = 200 <b>S600:</b> no field = 000 / minimum = 020 / maximum = 984 / default = 400									
	SAFETY FIELD HEIGHT	<b>I30:</b> no field = 000 / minimum = 020 / maximum = 360 / default = 200 <b>S600:</b> minimum = 004 / maximum = 984 / default = 400									
	ACTIVE DETECTION CURTAINS	deactivate curtain on both fields	activate curtain only on optional field	activate curtain only on safety field							activate curtains on both fields
	UNCOVERED ZONE	2 in (S600 default)	4 in (I30 default)	6 in	8 in	10 in					
	IMMUNITY FILTER		environment: indoor	environment: outdoor low	environment: outdoor med.	environment: outdoor high	objects: indoor	objects: outdoor low	objects: outdoor med.	objects: outdoor high	
	MIN. OBJECT SIZE	off	2 in	4 in	6 in	8 in					
	OUTPUT ACTIVATION DELAY	off	100 ms	200 ms	300 ms	400 ms	500 ms	600 ms	700 ms	800 ms	900 ms
	DETECTION FIELD REDIRECTION	R1: optional R2: safety	R1: optional or safety R2: safety								
	OUTPUT CONFIGURATION		R1: A - NO R2: P - NC	R1: P - NC R2: A - NO	R1: P - NC R2: P - NC	R1: A - NO R2: A - NO					

[Click here for LZR-I30 User's Guide.](#)

[Click here for LZR-S600 User's Guide.](#)

APPENDIX: FALCON, FALCON EX, PHOENIX EX FUNCTIONS










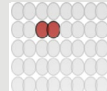
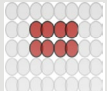
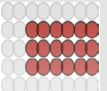
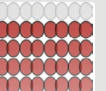
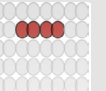
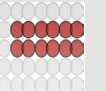
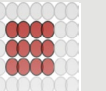

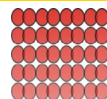
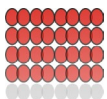
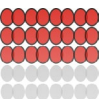
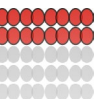
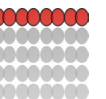
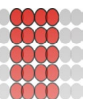
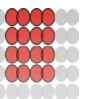
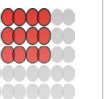
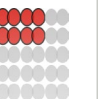
BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	FIELD SIZE	XXS	XS	S	>	>	>	>	L	XL	XXL
	HOLD-OPEN TIME	0.5 s	1 s	2 s	3 s	4 s	5 s	6 s	7 s	8 s	9 s
	OUTPUT CONFIGURATION		active	passive							
	DETECTION MODE		BI	UNI	UNI AWAY						
	DETECTION FILTER		1	2	3	4	5	6			

[Click here for FALCON Family User's Guide.](#)

[Click here for FALCON EX Family User's Guide.](#)







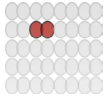
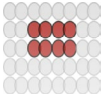
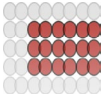
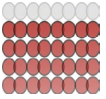
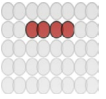
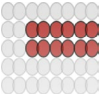
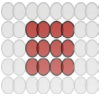

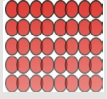
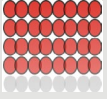
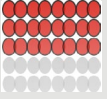
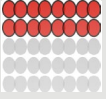
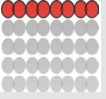
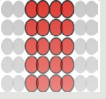
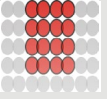
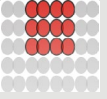
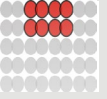
[Click here for PHOENIX EX Family User's Guide.](#)

## APPENDIX: IS40 / IS40XL FUNCTIONS

BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	FIELD SIZE (SENSITIVITY)	XXS	XS	S	>	>	>	>	L	XL	XXL
	HOLD-OPEN TIME	0.5 s	1 s	2 s	3 s	4 s	5 s	6 s	7 s	8 s	9 s
	DETECTION MODE		BI	UNI	UNI AWAY						
	DETECTION FILTER		All targets in motion	All targets in motion + interference immunity	Low 'Pedestrian/Parallel traffic' Rejection + Interference Immunity	Medium 'Pedestrian/Parallel traffic' Rejection + Interference Immunity	High 'Pedestrian/Parallel traffic' Rejection + Interference Immunity	Extra High 'Pedestrian/Parallel traffic' Rejection + Interference Immunity			
	OUTPUT CONFIGURATION	Presence + Activation: standard mode	Presence + Activation: pulse on entry	Presence + Activation: pulse on exit	Presence + Activation: pulse on entry first / last line	Presence + Activation: pulse on exit first / last line	Presence + Activation: remains active (when motion is detected) until presence zone in cleared	Presence + Activation: remains active (when motion and AIR are detected) until presence zone in cleared			
	FREQUENCY		A	B							
	MAX. PRESENCE DETECTION TIME	30 s	1 min	2 min	5 min	10 min	20 min	1 hr	1.5 hr	2 hr	no learn
	AIR CURTAIN IMMUNITY		low	normal	high						
	TARGET SIZE										
	AIR PATTERN SIZE										

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APPENDIX: IS40P FUNCTIONS

BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	RELAY CONFIGURATION		Mot: active Pres: passive	Mot: passive Pres: active	Mot: passive Pres: passive	Mot: active Pres: active					
	OUTPUT REDIRECTION	ACT: presence PRES: presence	ACT: AIR entry pulse PRES: presence	ACT: AIR exit pulse PRES: presence	ACT: first/last line AIR entry pulse PRES: presence	ACT: first/last line AIR exit pulse PRES: presence	ACT: presence PRES: presence	ACT: presence PRES: presence			
	FREQUENCY		A	B							
	MAX. PRESENCE DETECTION TIME	3 s	1 min	2 min	5 min	10 min	20 min	1 hr	1.5 hr	2 hr	no learn
	AIR CURTAIN IMMUNITY		low	normal	high						
	TARGET SIZE										
	AIR PATTERN SIZE										

[Click here for IS40P User's Guide.](#)

## APPENDIX: EAGLE ARTEK FUNCTIONS

BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	FIELD SIZE	XXS	XS	S	>	>	>	>	L	XL	XXL
	RAD: SHAPE	<p> = wide (default)   = narrow</p> <p>To query the specific width, press   .</p> <p>The sensor will blink the number of times that it is set to, and then the green LED will blink either 1 time (narrow shape) or 2 times (wide shape).            Example: If <b>FIELD SIZE</b> = large and <b>FIELD SHAPE</b> = narrow, the LED will blink 7 times, and then 1 time.</p>									
	MOUNTING HEIGHT		<10 ft	> 10 ft							
	IMMUNITY FILTER		low	normal	high	>	>	>	>	>	highest
	DETECTION MODE <sup>1</sup>		BI	UNI	UNI MTF	UNI AWAY	MTF & AWAY				
	OUTPUT CONFIGURATION		N.O.	N.C.							
	HOLD-OPEN TIME	0.5 s	1 s	2 s	3 s	4 s	5 s	6 s	7 s	8 s	9 s
	DOOR CONTROL <sup>2</sup>		auto	open	closed						
	FACTORY RESET									full	partial <sup>3</sup>








- 1 bi = two-way detection  
 uni = one-way detection towards sensor  
 uni MTF = one-way detection with motion-tracking feature  
 uni AWAY = one-way detection away from sensor

- 2 open = sensor detects constantly, LED on.  
 closed = sensor is in standby and does not detect, LED off

- 3 outputs are not reset

*[Click here for EAGLE ARTEK User's Guide.](#)*

APPENDIX: EAGLE FUNCTIONS

BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	ZONE SIZE	XXS	XS	S	>	>	>	>	L	XL	XXL
	IMMUNITY FILTER		low	normal	high	>	>	>	L	XL	highest
	DETECTION MODE <sup>1</sup>		BI	UNI	UNI MTF	UNI AWAY	MTF & AWAY				
	OUTPUT CONFIGURATION <sup>2</sup>		A	P							
	HOLD-OPEN TIME	0.5 s	1 s	2 s	3 s	4 s	5 s	6 s	7 s	8 s	9 s
	MOUNTING HEIGHT		< 10 ft	> 10 ft							
	DOOR CONTROL <sup>3</sup>		auto	open	closed						

- 1

bi = two-way detection  
uni = one-way detection towards sensor  
uni PRM = one-way detection also of people with reduced mobility  
uni AWAY = one-way detection away from sensor
- 2

A = active output (N.O. contact); relay energizes upon detection  
P = passive output (N.C. contact); relay de-energizes upon detection
- 3

open = sensor detects constantly, LED on.  
closed = sensor is in standby and does not detect, LED off

[Click here for EAGLE User's Guide.](#)



APPENDIX: EAGLE HIGH-MOUNT FUNCTIONS

BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	ZONE SIZE	XXS	XS	S	>	>	>	>	L	XL	XXL
	IMMUNITY FILTER		low	normal	high	>	>	>	L	XL	highest
	DETECTION MODE <sup>1</sup>		BI	UNI	UNI MTF	UNI AWAY	MTF & AWAY				
	OUTPUT CONFIGURATION <sup>2</sup>		A	P							
	HOLD-OPEN TIME	0.5 s	1 s	2 s	3 s	4 s	5 s	6 s	7 s	8 s	9 s
	MOUNTING HEIGHT		< 10 ft	> 10 ft							
	DOOR CONTROL <sup>3</sup>		auto	open	closed						












1 bi = two-way detection  
uni = one-way detection towards sensor  
uni PRM = one-way detection also of people with reduced mobility  
uni AWAY = one-way detection away from sensor

2 A = active output (N.O. contact); relay energizes upon detection  
P = passive output (N.C. contact); relay de-energizes upon detection

3 open = sensor detects constantly, LED on.  
closed = sensor is in standby and does not detect, LED off









[Click here for EAGLE HIGH-MOUNT User's Guide.](#)

## APPENDIX: BODYGUARD-T FUNCTIONS








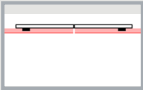
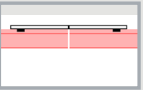
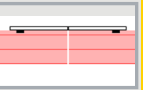
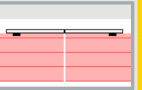
BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	INTERFACE		new style	old style (LO21)							
	DOOR CONTROL		normal	door permanently open	door permanently closed						
	MODES OF OPERATION	normal	MP mode	Record mode							
	INFRARED FREQUENCY		Mode: normal Freq: low	Mode: normal Freq: high	Mode: quiet Freq: low	Mode: quiet Freq: high					
	SENSITIVITY	min	>	>	>	>	>	> *	> *	>	>
	HOLD TIME	0.5 s	>	>	>	>	>	>	>	>	9 s
	OUTPUT CONFIGURATION		N.O.	N.C.							
	AUTO-LEARN TIME	30 s	1 m	2 m	3 m	5 m	7 m	10 m	15 m	10 s	infinite
	PATTERN WIDTH		wide (closed door)	middle (open door)	asymm. left narrow	asymm. right narrow	narrow left	narrow right	asymm. left wide	asymm. right wide	center narrow
	PATTERN DEPTH		deep (threshold on)	medium (threshold on, open)	limited (threshold on)	deep (threshold off)	medium (threshold off, closed)	limited (threshold off)			
	IMMUNITY		low (normal)	medium (rain)	high (snow)						

\* default 6 = door closed, default 7 = door open

[Click here for IS40 / IS40XL User's Guide.](#)

BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	PINCH ZONE WIDTH	no field = 000 / minimum = 001 / maximum = 040 / default = 015									
	PINCH ZONE HEIGHT	no field = 000 / minimum = 001 / maximum = 157 / default = 157									
	DOOR LEAF WIDTH	no field = 000 / minimum = 001 / maximum = 157 / default = 157									
	DOOR LEAF HEIGHT	no field = 000 / minimum = 001 / maximum = 157 / default = 157									
	OUTPUT CONFIGURATION		R1: NO R2: NC	R1: NC R2: NO	R1: NC R2: NC	R1: NO R2: NO					
	IMMUNITY FILTER		low	>	>	>	>	>	>	>	high
	UNCOVERED ZONE		¾ in	1 ½ in	2 ¼ in	3 in	4 in	4 ¾ in	5 ½ in	6 ¼ in	7 in
	ANTIMASKING & BACKGROUND	OFF / OFF	OFF / ON	ON / OFF	ON / ON						

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BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	PINCH ZONE WIDTH	no field = 000 / minimum = 001 / maximum = 040 / default = 015									
	DOOR LEAF WIDTH	no field = 000 / minimum = 001 / maximum = 157 / default = 157									
	DOOR LEAF HEIGHT	no field = 000 / minimum = 001 / maximum = 157 / default = 157									
	OUTPUT CONFIGURATION <sup>1</sup>		N.O.	N.C.							
	UNCOVERED ZONE		¾ in	1 ½ in	2 ¾ in	3 ¼ in	4 in	4 ¾ in	5 ½ in		
	ANTIMASKING / BACKGROUND	OFF / OFF	OFF / ON	ON / OFF	ON / ON						
	DETECTION FIELD DEPTH		 1 curtain	 2 curtains	 3 curtains	 4 curtains					

1 Always enter 3 digits for output parameters:

- 1st digit refers to Output 1 (O1) = STOP
- 2nd digit refers to Output 2 (O2) = REOPEN
- 3rd digit refers to Output 3 (O3) = VIRTUAL PUSH BUTTON

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## APPENDIX: ULTIMO FUNCTIONS

BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	IR:Width		wide	standard	narrow	left, angled	right, angled				
	IR:Curtaains	0	1	2	3	4	5	6	7		
	IR:Immunity			normal	outdoor	enhanced					
	IR:PresTime			30 sec	1 min	2 min	5 min	10 min	20 min	60 min	infinite
	IR:Freq			auto-synch	IXIO <sup>1</sup>			freq A <sup>2</sup>	freq B <sup>2</sup>		
	Rad:Fieldsize	small	>	>	>	>	>	>	>	>	large
	Rad:Shape	LCD: "narrow" and "wide" setting options Remote Control: After pressing the Rad:Fieldsize button, use the plus sign button to select the Wide shape or the minus sign button to select the Narrow shape. <i>Numeric remote control buttons are only applicable to the Rad:Fieldsize function.</i>									
	Rad:Direction	off	BI <>	UNI >	MTF <						
	Rad:Immunity		low	>	>	>	>	>	>	>	high
	Out1Func <sup>3</sup>	off	RAD or IR					RAD			
	Out1Logic		N.O.	N.C.							
	Out1HoldTime	0.5 sec	1 sec	2 sec	3 sec	4 sec	5 sec	6 sec	7 sec	8 sec	9 sec
	InTestMode	off	on	auto							
	FactoryRst									full	partial <sup>4</sup>

1 > V5.0 auto-synch

2 for use with IXIO if synchronization issues occur

3 The sensor LED will briefly flash RED during monitoring communication with the door control. This indicates that external monitoring is functional. Monitoring functionality must be active on the sensor and door control, and monitoring wires must be properly connected to the door control.

4 Partial reset is only available via remote control. Partial restores all adjustable settings except Out1Logic and Out2Logic.

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## APPENDIX: IXIO-DT1 / DT1 IND / DT1 V FUNCTIONS

BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	RAD: FIELD SIZE	small	>	>	>	>	>	>	>	>	large
	RAD: SHAPE	LCD: "narrow" and "wide" setting options (default = wide) Remote Control:  = wide,  = narrow									
	RAD: IMMUNITY		low	>	>	>	>	>	>	>	high
	RAD: DIRECTION <sup>1</sup>	off	BI	UNI	MTF					uni + reentry	
	RAD: HOLD TIME	0.5 sec	1 sec	2 sec	3 sec	4 sec	5 sec	6 sec	7 sec	8 sec	9 sec
	RAD: REENTRY	small	>	>	>	>	>	>	>	>	large
	RAD: OUTPUT <sup>2</sup>		DeEner/N.O. N.C.	Ener/N.C. N.O.	Ener/N.C. N.C.	DeEner/N.O. N.O.					
	AIR: OUTPUT <sup>2</sup>		DeEner/N.O. N.C.	Ener/N.C. N.O.	Ener/N.C. N.C.	DeEner/N.O. N.O.					
	AIR: IMMUNITY		normal	enhanced					mode B		
	AIR: NUMBER		1	2							
	AIR: PRESENCE TIME			30 sec	1 min	2 min	5 min	10 min	20 min	60 min	infinite
	AIR: FREQ		A	B							
	TEST <sup>3</sup>	off	on								
	REDIRECTION <sup>4</sup>	R1 MW R2 IR	R1 MW or IR R2 IR								
	FACTORY RESET <sup>5</sup>									full	partial

1 MTF = motion tracking feature

uni + reentry: BEA recommends only adjusting using the LCD

2 **RADAR:** DeEner = de-energized relay, Ener = energized relay; N.O. = normally open, N.C. = normally closed

**AIR:** N.O. = normally open, N.C. = normally closed

3 The sensor LED will briefly flash RED during monitoring communication with door control. This indicates that external monitoring is functional. Monitoring functionality must be active on the sensor and door control, and monitoring wires must be properly connected to the door control.

4 REDIRECTION setting (F1 on remote control):

**R1-MW, R2-IR (F1=0):**

R1 = MW (i.e. motion detection)

R2 = IR (i.e. presence detection)

**R1-MW or IR, R2-IR (F1=1):**

R1 = MW or IR (i.e. motion or presence detection)

R2 = IR (i.e. presence detection)








5 partial: outputs are not reset

[Click here for IXIO-DT1 User's Guide.](#)

[Click here for IXIO-DT1 INDUSTRIAL User's Guide.](#)

[Click here for IXIO-DT1 V User's Guide.](#)

APPENDIX: IXIO-ST / ST IND FUNCTIONS

BUTTON	FUNCTION	0	1	2	3	4	5	6	7	8	9
	AIR: OUTPUT <sup>1</sup>		DeEner/N.O. N.C.	Ener/N.C. N.O.	Ener/N.C. N.C.	DeEner/N.O. N.O.					
	AIR: IMMUNITY		normal	enhanced					mode B		
	AIR: NUMBER		1	2							
	AIR: PRESENCE TIME			30 sec	1 min	2 min	5 min	10 min	20 min	60 min	infinite
	AIR: FREQ		A	B							
	TEST <sup>2</sup>	off	on								
	FACTORY RESET <sup>3</sup>									full	partial

- 1

N.O. = normally open, N.C. = normally closed
- 2

The sensor LED will briefly flash RED during monitoring communication with door control. This indicates that external monitoring is functional. Monitoring functionality must be active on the sensor and door control, and monitoring wires must be properly connected to the door control.
- 3

partial: outputs are not reset

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[Click here for IXIO-ST INDUSTRIAL User's Guide.](#)