SECURITY & ACCESS SOLUTIONS
**TECHNOLOGIES**

**LASER** technology works according to the principle of Time-of-Flight. The sensor sends an intense light impulse in a defined direction and measures the time until the signal returns. As the speed of light is a constant value (approximately 300,000 km/s), this time is directly proportional to the distance between the sensor and the first object encountered by the light impulse.

As a result, and by sending multiple beams in multiple directions (2D or 3D), the sensor is capable of knowing the exact position of any object in its detection area at any given time.

**ACTIVE INFRARED with background analysis** technology works with a background (e.g. a sensor shines infrared light on the floor). In this case, the sensor lights up one or more areas and analyzes the energy that returns. Detection is triggered if there is any significant difference when compared to the original picture.

**ACTIVE INFRARED with background suppression** technology works on the principle of “triangulation” in which the sensor calculates the distance between the emitter and receiver. The emission angle is already known and the reflection angle becomes the key element as the distance to the object can be calculated according to the position of the reflected spot on the receiver side (a triangle can be drawn when you know one distance and two angles).

**PASSIVE INFRARED** technology measures the infrared light radiating from objects in its field of view. Motion or presence is detected when an infrared source with one temperature, such as a human being, passes in front of an infrared source with another temperature, such as the normal environment.

**RADAR** technology, also known as microwave technology, is based on the Doppler Effect: the radar sensor continuously emits microwaves with a certain frequency in a defined area. These microwaves are reflected back to the sensor by all of the objects present in its environment.

**PIEZO** technology, also known as piezoelectric, is the process of converting mechanical pressure (pushing a button) into electrical energy. A piezo switch is paired with a field effect transistor (FET) that, when pushed, allows current to flow through the FET.

**CAPACITIVE** technology detects close-range electrically charged objects. A small voltage is applied to a conductive surface, resulting in a uniform electrostatic detection field. When a conductor, such as the human hand, enters this field, detection occurs.

**RADIO CONTROL FREQUENCY** wireless technology uses transmitters and receivers operating on specific radio frequencies. The transmitter applies a radio frequency alternating current to an antenna, which then radiates radio waves. The receiver receives the transmitted frequency and converts the information into a usable form.

**VIDEO** technology uses optics and light to create pictures and videos. Enhanced definition cameras capture door environment and traffic usage in full color and high quality. Cameras are used within sensors to increase security and decrease liability.
MAGIC SWITCH
TOUCHLESS ACTUATORS

LPR36
36" FULL LENGTH ACTUATOR

PUSH PLATES
STAINLESS STEEL PUSH PLATES

900 MHZ SERIES
LONG RANGE WIRELESS TRANSMITTERS & RECEIVER

PNEUMATIC BUTTONS
RUGGEDIZED BUTTON WITH ADJUSTABLE HOLD TIME

UNIVERSAL KEYPAD
IP66 RATED ACCESS CONTROL DEVICE

UL LISTED MAGLOCKS
ELECTROMAGNETIC LOCK

ELECTRIC STRIKES
LOCKING DEVICES

DE MAGLOCK KIT
ELECTROMAGNETIC LOCK FOR EXIT DOOR APPLICATIONS

LOGIC MODULES
PROGRAMMABLE 2- & 3-RELAY LOGIC MODULES

R2E-100
FOCUSED ACTIVE INFRARED REQUEST-TO-EXIT SENSOR

FLY KIT
PASSIVE INFRARED SENSOR FOR REQUEST-TO-EXIT APPLICATIONS

SUPERSCAN-T
REACTIVATION SENSOR FOR LOW ENERGY DOORS

SPARROW
MICROWAVE MOTION SENSOR

LZR®-FLATSCAN SW
STANDALONE DOOR-MOUNTED, SWING DOOR SAFETY SENSOR

BEAMBOX
PRESENCE SENSOR FOR OFF-DOOR AUTOMATION

LZR®-S600
LASER-BASED, PRESENCE SENSOR
**MOUNTING BOXES**

**FLUSH & SURFACE MOUNT BOXES**
- Easy battery access surface mount box available
- Mounting boxes and brackets
- Adapter and weather rings

**BOLLARDS**

**EXTERIOR MOUNTING OPTION**
- Choice of Bronze, Silver or Black

**ACCESSORIES**

**MAGIC SWITCH**

**TOUCHLESS ACTUATORS**
- Touchless design reduces spread of germs and bacteria
- Stainless steel models available
- Water-resistant (NEMA 4) variants available
- A variety of adjustable detection ranges are available:
  - MS08 / MS09 offers detection from 4 to 24 inches
  - MS11 offers detection from 2 to 24 inches
  - MS21 offers short-range, touchless activation

**LPR36**

**36 INCH FULL LENGTH ACTUATOR**
- Hardwired and wireless versions available
- An economical actuator for ADA building codes requiring two push plates

**PUSH PLATES**

**STAINLESS STEEL PUSH PLATES**
- Convenient Push Plate Packages Available!
- Available in various sizes and styles to fit almost any application, hardwired and wireless
- Water-resistant, NEMA 4 rated versions available

**RESTROOM KIT**

**FOR SINGLE OCCUPANCY NORMALLY LOCKED / UNLOCKED RESTROOMS**
- Kit includes BR3-X logic module, Occupied Indicator, “PUSH TO LOCK” Button and Door Position Switch

**EMERGENCY ADD-ON KIT**

**FOR SINGLE OCCUPANCY RESTROOMS**
- Kit includes “ASSISTANCE REQUIRED” Signal, “PUSH FOR EMERGENCY ASSISTANCE” Button + Indicator and Emergency Signage

**JAMB CAM**

**JAMB MOUNTED VIDEO CAMERA**
- Full color, enhanced definition video with 480 × 720 (480p) resolution
- Wide angle lens for complete view of door and traffic flow
WIRELESS SOLUTIONS

900 MHZ SERIES
MOST COMPACT TRANSMITTERS AND RECEIVER ON THE MARKET
- Connects up to 500 feet (open-air transmission)
- DIP switch function settings and push button learn modes
- 1, 2, 3 and 4 button hand-held transmitters, plus an in-wall transmitter
- NEMA 4 rated handheld transmitters available
- BEA also offers 433 MHz & 300 MHz frequencies

ACCESS CONTROL SOLUTIONS

PNEUMATIC BUTTONS
2 TO 60 SECONDS, USER-DEFINED HOLD TIME
- Exceeds NFPA safety codes with respect to security button delay time
- Available in single and jamb size plates; buttons available in 1 5/8 inch (standard) or 2 inch (large) sizes
- Available in a variety of combinations of color, text and logo upon request
- Tested to perform greater than 1 million operations

PIEZO BUTTONS
1 TO 40 SECOND, USER-ADJUSTABLE HOLD TIME
- Can be configured to fail-safe or fail-secure
- LED illumination can be customized to user preference
- Stainless steel faceplate and technology appropriate to withstand the rigors of harsh environments
- Vandal / tamper resistant design
- Tested to perform greater than 1 billion operations

UNIVERSAL KEYPADS
VERSATILE ACCESS CONTROL DEVICES
- Allows for up to 1010 individual user codes
- IP66 rating ideal for outdoor or harsh environments

KEYSWITCHES
ROBUST STAINLESS STEEL FACEPLATE
- Aluminum wall plate with tamper-resistant screws
- Available in jamb and single wall plates or double gang combo-plate
- Available with momentary or maintained contact
LOCKING DEVICES

UL LISTED MAGLOCKS
INDUSTRY PROVEN ACCESS CONTROL DEVICES
- Built-in LED Bond Status Sensor
- Available with Door Status Sensor
- Available for single and double door applications and in 600 and 1200 lbs
- Field selectable 12 or 24 VDC
- Zero to 90 second re-lock timer

ELECTRIC STRIKES
CYLINDRICAL UNIVERSAL & RIM EXIT
- Three modular faceplates for the most common door types: hollow metal, aluminum and wood
- Accepts 0.50 inch or 0.625 inch latch projections - a perfect compliment for narrow style aluminum frames
- Conventional keeper design promotes even-load distribution in the event of a forced entry
- Reinforced housing reduces twisting on imperfect frames
- UL / ULC listed for up to 1500 lbs of static strength
- UL 294 listed

DELAYED EGRESS MAGLOCK KIT
FOR PERIMETER EXIT DELAY APPLICATIONS
- Double door (two single doors) can be synchronized
- Authorized egress time programmable zero to 15 seconds
- Selectable 30 second door prop alarm
- LED color and flashes can be customized
- Monitored fire alarm input
- Delayed Egress can be triggered with pressure on the door or with a REX input (or disabled completely)
- UL 294 listed

ACCESSORIES

BRACKETS
MAGLOCK BRACKET OPTIONS
- L & Z Brackets
- Glass Door Brackets
- Vertical Spacer
- Armature Housing
- Filler Bars

CONTROLLERS
PROGRAMMABLE 2- & 3-RELAY LOGIC MODULES
- 2-relay logic module with built-in 900 MHz wireless technology
- Programmable 3-relay logic module with 13 functions for sequencing doors with other devices (i.e., lights)

POWER SUPPLIES
UL LISTED
- Free standing enclosure for powering BEA sensors, locks and accessories
- Battery backup option available
SENSORS

R2E-100
UL 294 LISTED REQUEST-TO-EXIT SENSOR
• Adjustable tilt angle from zero to 10 degrees
• Adjustable detection range from 20 to 48 inches
• Low profile sensor mounts on or above the door frame

FLY KIT
COMPACT, VERSATILE REQUEST-TO-EXIT SENSOR
• DIP switches for user-defined settings
• Extended Relay Time (ERT) version is available for hold times of 15 or 30 seconds
• Packages include both ceiling and surface mount adapters

SUPERSCAN-T
DOOR-MOUNTED PRESENCE SENSOR
• Ideal for low energy door applications
• Capable of external monitoring

SPARROW
HIGHLY FLEXIBLE MOTION SENSOR
• Adjustable detection zones of 20 × 30 feet
• Mounting height from 6½ to 20 feet
• IP64 rated enclosure for harsh environments

LZR®-FLATSCAN SW
STANDALONE, DOOR-MOUNTED SWING DOOR SAFETY SYSTEM
• Ideal for low energy applications
• Leading edge safety extends the detection area beyond the leading edge of the door for enhanced safety
• Fully monitored internally, capable of external monitoring

LZR®-I30 / LZR®-S600
IDEAL FOR EXTERIOR PERIMETER DETECTION
• NEMA 4 / IP65 rated enclosure
• LZR®-I30: 30 × 30 feet maximum detection range
• LZR®-S600: 82 × 82 feet maximum detection range

FALCON EX
IDEAL FOR REFINING & VOLATILE ENVIRONMENTS
• 11 lb, explosion-proof / flame-proof housing
• Bidirectional, unidirectional approach and unidirectional depart microwave detection options
• Six modes of detection filtering for pedestrian and parallel traffic rejection

PHOENIX EX™
IDEAL FOR MANUFACTURING & MILITARY FACILITIES
• 11 lb, explosion-proof / flame-proof housing with integrated tamper alert switch
• Bidirectional, unidirectional approach and unidirectional depart microwave detection options