



R2E-ARTEK

MICROWAVE SENSOR FOR REQUEST-TO-EXIT APPLICATIONS

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TECHNOLOGY



CERTIFICATIONS



DESCRIPTION

BEA's **R2E-ARTEK** is a microwave sensor for request-to-exit applications. Its slim and compact design ensures discreet integration for your application.

The microwave radar technology offers superior field performance with improved filters that help to reduce false detections (e.g. cross-traffic rejection).

Remote control programming allows for more convenient setup, and the pre-configured settings offer quick programming for common applications based on traffic patterns and detection zone sizes.

A variety of installation accessories are available, making the **R2E-ARTEK** a convenient solution for any mounting location.



Easier Installation

Remote control programming with available presets for common applications

Reliable Detection

Microwave technology superior to traditional passive infrared technology due to the sensitivity to motion rather than temperature

Customizable Access Control

Capable of detecting based on traffic patterns (Detection Mode options) and environmental factors (Immunity levels)

Improved Door Intelligence for Security Integrators

Enables real-time visibility of egress activity by feeding activation events into the access control system, supporting audit trails, alarm bypass logic, and forced-entry detection

Zero-force Automation

Easy and reliable microwave detection greatly reduces common wear-and-tear caused by push-to-unlock devices



APPLICATIONS



Request-to-exit

TECHNICAL SPECIFICATIONS

TECHNOLOGY / PERFORMANCE

Technology	microwave
Detection mode	motion
Transmitter frequency	24.15 GHz
Transmitter radiated power	< 20 dBm EIRP
Transmitter power density	< 5 mW/cm ²
Max. detection range (at 7' mounting height)	wide: 13' × 6.5' narrow : 6.5' × 7'
Min. detection speed	2 in/s

ELECTRICAL

Supply voltage*	12 – 24 VAC ±10% (50 – 60 Hz) 12 – 24 VDC +30% / -10%
Max. power consumption	< 1 W
Output*	solid-state relay (free of polarity)
Max. switching voltage	30 VAC / 42 VDC
Max. switching current	100mA (resistive)

PHYSICAL

Mounting height	6 – 15'
Tilt angles	0 – 90° vertical -30 – 30° lateral
Temperature range	-4 – 131 °F (-20 – 55 °C)
Dimensions	4.72" (L) × 1.96" (H) × 1.96" (W)
Material	ABS
Weight	120 g
Cable length	8'

COMPLIANCE

Degree of protection	IP54
FCC certification	FCC: G9B-100606 IC: 4680A-100606

* External electrical sources must be within specified voltages, max 100 W, and ensure double insulation from primary voltages

PRODUCT SERIES



10R2EARTEK
Microwave request-to-exit sensor

ACCESSORIES



10EARA
Rain accessory



10EACA
Ceiling accessory
(white)



10EACA-BLK
Ceiling accessory
(black)



10EABA
Bracket accessory



10EAGLEARTEKSPACER
Spacer

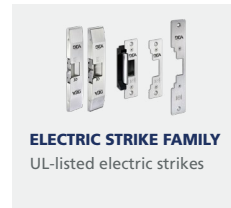


35.0319
Replacement cover
(white)

RELATED PRODUCTS



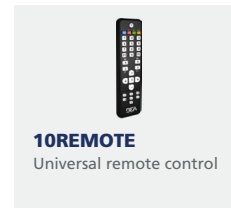
MAGLOCK FAMILY
Maglocks with adjustable
relock time delay and lock
(bond) status



ELECTRIC STRIKE FAMILY
UL-listed electric strikes



10BR3X
Programmable 3-relay
logic module



10REMOTE
Universal remote control

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WWW.BEASENSORS.COM



BEA AMERICAS / RIDC Park West / 100 Enterprise Drive / Pittsburgh, PA
T 1-800-523-2462 / F 1-888-523-2462 / E info-us@BEAsensors.com

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