

MAGIC WAVE ONYX SERIES

DUAL POWER WIRED OR WIRELESS
TOUCHLESS ACTUATOR SWITCHES



Description

Magic Wave Onyx Series is a long-lasting, battery-powered, active infrared touchless actuator switch that provides flexible options. It can also be hardwired depending on the installation requirements.

Magic Wave Onyx Series offers reliable operation with key features engineered to ensure performance in challenging conditions, such as harsh lighting and cold weather climates.

All products have a 3-year warranty.

Specifiers can now choose from 'wired', the most secure communications protocol, or battery powered wireless technologies to address the difficulties in many applications where wires are not cost effective or possible.

Magic Wave Onyx Series line of touchless actuators provides germ-free door activation without physical contact for safer interactions, improved traffic flow, and enhanced accessibility.

Beautiful Modern Aesthetics

Glossy, black onyx polycarbonate cover is simply beautiful with its slim low profile and integrates smoothly into a variety of modern architectural designs. The slim line jamb faceplate is made of equally beautiful smooth tempered glass.

Best in Class 2.4Ghz Signal Transmission

Higher performance radio frequencies eliminate interference from other local devices providing consistent activations.

Superior Battery Life

This solution offers superior battery life of up to 3 years of uninterrupted operation across a range of applications and environments.

Versatile Mounting Options & Setup

These can be mounted on to an electrical box, or direct mounting to aluminum Mullins, sheetrock or glass walls, allowing for installation across a broad range of applications.

Robust Construction

Strong Polycarbonate faceplate will take the punishment for indoor/outdoor use.

Reduce False Detections

Anti-interference technology helps to prevent environmental conflicts such as rain, water spray, and snow. Built-in, premium UV filters reduces false detections from direct sunlight.



COMMON APPLICATIONS

HEALTHCARE • EDUCATION • WASHROOMS • RETAIL • OFFICES • BANKS • HOTELS • RESTAURANTS • GOVERNMENT

PRODUCT SERIES

 <p>MWO-09-JAMB Jamb size wireless only 'wave to open' text. Includes low profile, integrated box.</p>	 <p>REC-2.4 For use with all 2.4Ghz wireless models.</p>
 <p>MWO-09SG-WD Single gang wired with 'wave to open' text + hand logo. Includes low profile integrated box.</p>	 <p>MWO-09SG* Single gang wireless with 'wave to open' text + hand logo. Includes low profile integrated box.</p>
 <p>MWO-0945-WD Double gang wired with 'wave to open' text + wheelchair logo. Includes low profile integrated box.</p>	 <p>MWO-0945 Double gang wireless with 'wave to open' text + wheelchair logo. Includes low profile integrated box.</p>

All Onyx Series are available in kits.

Every application is unique. Please consult a Sales Representative to ensure compliant system design.

ITEM NUMBERS

MWO-09-JAMB	Jamb mount battery-powered switch
MWO-09SG-WD	Single gang wired switch
MWO-09SG	Single gang battery powered switch
*MWO-2X4-HYB	Single gang dual power hybrid switch
MWO-0945-WD	Double gang wired switch
MWO-0945	Double gang battery-powered switch

TECHNICAL SPECIFICATIONS

TECHNOLOGY PERFORMANCE	
Technology	Active Infrared Sensors
Detection Range	MWO-09-JAMB MWO-09SG MWO-0945
Battery Life	One (1) year @ 150 activations per day Two (2) years @ 150 activations per day Three (3) years @ 150 activations per day <i>Batteries included</i> <i>Based on high capacity, premium batteries</i>
Product Temperature Range	-4F to 131 F (-20C to +55C)
ELECTRICAL	
Output (Wired version) max. switching voltage max. switching current	1 relay, 220 VDC/250 VAC, 1A
Power Supply	MWO-09-JAMB MWO-09SG-WD MWO-09SG MWO-0945-WD MWO-0945
Power Consumption Battery Powered Mode	Standby: \leq 80uA Activation: \leq 3mA (Buzzer off) Activation: \leq 6mA (Buzzer on)
Acoustical Warning	Selectable On/Off <i>*Except HTB-SLIW not available</i>
Wire Gauge	24-22 AWG
PHYSICAL	
Dimensions (overall)	With Integrated Boxes
slim line jamb single gang mount 2x4 double gang mount 4.5 x 4.5 receiver	1 1/2" (W) x 5 1/2" (H) x 1/2" (D) 2 3/4" (W) x 4 1/2" (H) x 3/4" (D) 4 1/2" (W) x 4 1/2" (H) x 3/4" (D) 2" (W) x 2 1/2" (L) x 3/4" (D)
Material	MWO-09-Jamb ALL OTHERS
	Tempered glass faceplate Polycarbonate Faceplate with ABS plastic back boxes
COMPLIANCE/STANDARDS	
IP Rating	Outdoor rated
UL/CSA	62368-1: 2019
FCC	Part 15B
Rohs	Certified
CE Conformity	Compliant

WIRELESS ACCESSORIES

REC-2.4	2.4Ghz one channel receiver
REC-2.4-DUAL	2 channel 2.4Ghz vestibule sequencer
RCTX-SGLBUT-2.4	2.4Ghz mini key FOB transmitter



Product details and specifications subject to change without notice.

TECHNOLOGY

