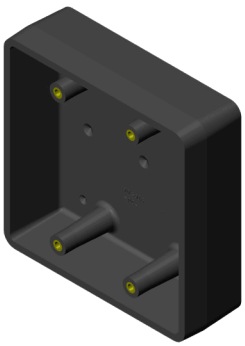
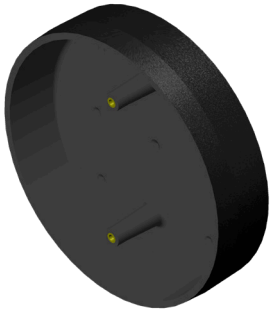
MAGIC SWITCH® SURFACE-MOUNT BOXES

For MS31, MS41, and MS51 Series

SINGLE GANG



DOUBLE GANG



6" ROUND

JAMB

PRECAUTIONS

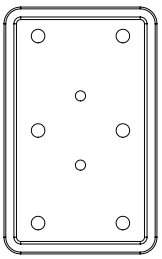
- Shut off all power going to header before attempting any wiring procedures.
- Maintain a clean and safe environment when working in public areas.
- Constantly be aware of pedestrian traffic around the door area.
- Always stop pedestrian traffic through the doorway when performing tests that may result in unexpected reactions by the door.
- *ESD (electrostatic discharge)*: Circuit boards are vulnerable to damage by electrostatic discharge. Before handling any board, ensure you dissipate your body's ESD charge.
- Always check placement of all wiring before powering up to ensure that moving door parts will not catch any wires and cause damage to equipment.
- Ensure compliance with all applicable safety standards (i.e. ANSI A156.10) upon completion of installation.
- DO NOT attempt any internal repair of the components. All repairs and/or component replacements must be performed by BEA, Inc. Unauthorized disassembly or repair:
  1. May jeopardize personal safety and may expose one to the risk of electrical shock.
  2. May adversely affect the safe and reliable performance of the product resulting in a voided warranty.
- Do not use harsh cleaning agents to clean polycarbonate materials. Harsh cleaning agents (e.g. ammonia) can cause damage to these materials. BEA recommends using clean, lukewarm water and a soft, lint-free cloth to clean sensor windows and other polycarbonate surfaces on our products.

MOUNTING THE BOX

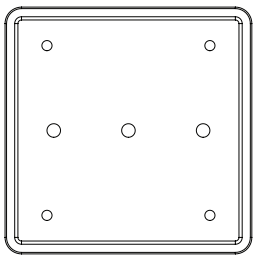
Mount the box using the pilot hole locations. Do not drill outside of the pilot hole locations.

If a wire conduit is required, you may also use any of the pilot hole locations.

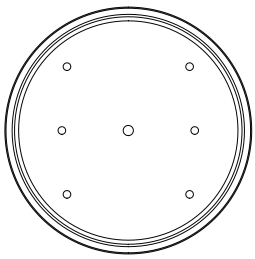
Note: To achieve an IP65 rating, you must apply silicone to any drilled holes.



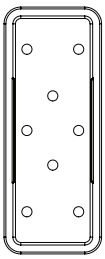
SINGLE GANG



DOUBLE GANG



ROUND



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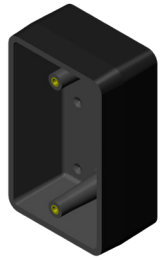
OPTIONAL: If a wireless transmitter is being used, you may simply place it in the box after connecting the leads from it to the terminals on the touchless switch (see applicable MAGIC SWITCH® User's Guide for more information).

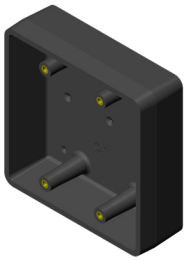
If desired, you may use the Velcro® provided with the transmitter to more firmly secure to the box.

MAGIC SWITCH® + Transmitter Accommodations



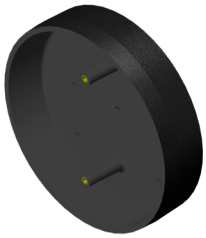
SINGLE GANG

	10TD433PB9V	10TD433PB3V	10TD900PB	10TD900TR
MS31	✓	✓	✓	✓
MS41	✗	✗	✓	✓
MS51	✓	✓	✓	✓



DOUBLE GANG

	10TD433PB9V	10TD433PB3V	10TD900PB	10TD900TR
MS31	✓	✓	✓	✓
MS41	✓	✓	✓	✓
MS51	✓	✓	✓	✓



6" ROUND

	10TD433PB9V	10TD433PB3V	10TD900PB	10TD900TR
MS31	✓	✓	✓	✓
MS41	✓	✓	✓	✓
MS51	✓	✓	✓	✓

JAMB

	10TD433PB9V	10TD433PB3V	10TD900PB	10TD900TR
MS31	✗	✓	✓	✓
MS41	✗	✓	✗	✓
MS51	✗	✓	✗	✓

BEA, INC. INSTALLATION/SERVICE COMPLIANCE EXPECTATIONS

BEA, Inc., the sensor manufacturer, cannot be held responsible for incorrect installations or incorrect adjustments of the sensor/device; therefore, BEA, Inc. does not guarantee any use of the sensor/device outside of its intended purpose.

BEA, Inc. strongly recommends that installation and service technicians be AAADM-certified for pedestrian doors, IDA-certified for doors/gates, and factory-trained for the type of door/gate system.

Installers and service personnel are responsible for executing a risk assessment following each installation/service performed, ensuring that the sensor/device system performance is compliant with local, national, and international regulations, codes, and standards.

Once installation or service work is complete, a safety inspection of the door/gate shall be performed per the door/gate manufacturer's recommendations and/or per AAADM/ANSI/DASMA guidelines (where applicable) for best industry practices. Safety inspections must be performed during each service call – examples of these safety inspections can be found on an AAADM safety information label (e.g. ANSI/DASMA 102, ANSI/DASMA 107, UL294, UL325, and International Building Code).

Verify that all appropriate industry signage, warning labels, and placards are in place.