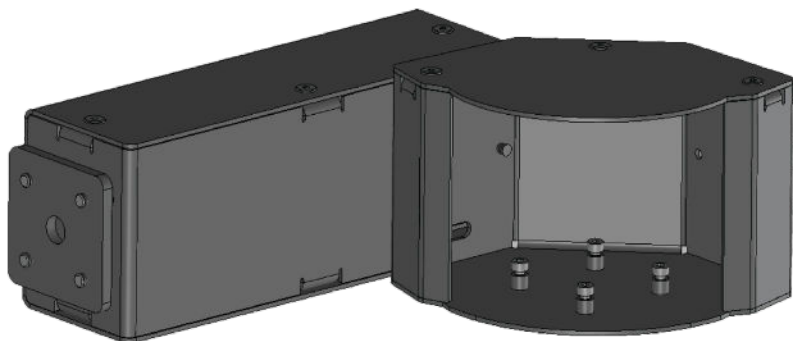# LZR HOUSING BRACKET

Housing and arm for gate and barrier applications
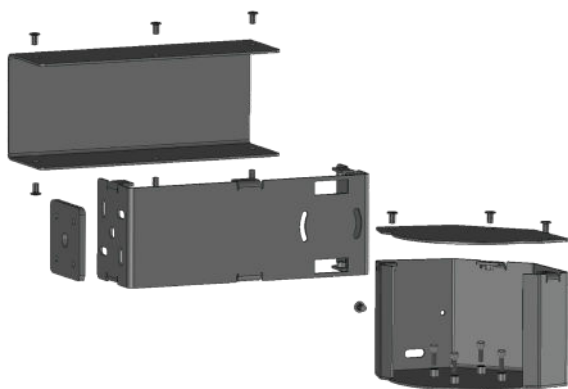
Visit website for available languages of this document.

Finished assembly with LZR sensor installed

Exploded assembly with LZR sensor

HARDWARE INCLUDED:

SCREW A
16mm Allen screws
x4

SCREW B
6mm Allen screws
x4

SCREW C
T9 torque screws
x12

WASHER
Washers
x4

MOUNTING & ASSEMBLY

1. Identify the desired mounting location. Criteria:

    - Choose the side of operator that is opposite of approaching traffic.
    - Choose horizontal placement that is closest to the traffic.
    - Choose vertical placement that is below the barrier arm (to avoid obstruction); typically, middle of operator.
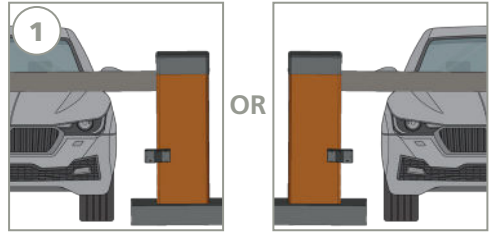

2. Install the Mounting Plate:

    a. Using a level to ensure proper orientation, place the Mounting Plate in the desired mounting location, and mark and drill holes:

        - 4 mounting holes = ¼" (6mm)
        - 1 cable pass-thru = ⁵⁄₁₆" (8mm)

    b. Hold the Mounting Plate to inside of operator and hold the Arm Base to the outside of the operator, align both pieces with drilled holes, and secure with Screw A (x4) and washers (x4).
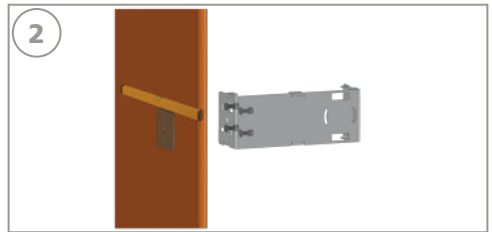

IMPORTANT: The use of a level while orienting the Mounting Plate is critical to the installation, as it will affect the placement of the sensor field.

3. Make any necessary tilt adjustment, and then secure the Housing to the Arm Base with 2 T9 screws. *Ensure proper orientation (i.e. lid area on top).*
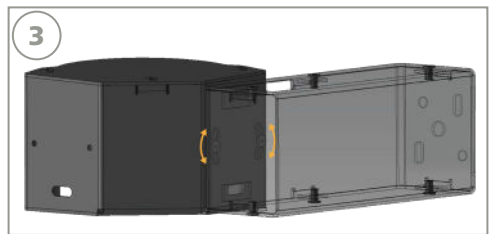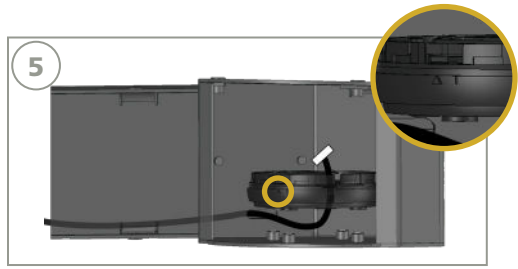

4. Route the sensor cable through the inside of the Arm Base and into the Housing interior.

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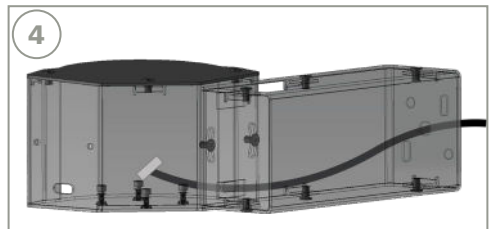
MOUNTING & ASSEMBLY

5.   Route cable up through the bottom side of the sensor base and then place the sensor base within the Housing (aligning the posts with the mounting holes).
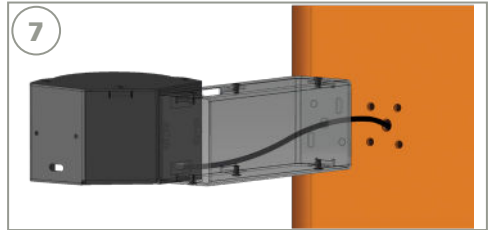
   IMPORTANT: Ensure that the triangle marking between the two adjustment screws on the sensor base is facing out.
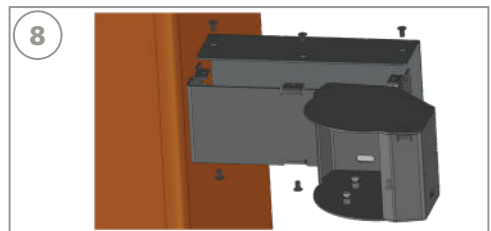

6.   Secure the sensor base to the Housing with Screw B (x4).

7.   Route the cable through the Housing Arm and connect to the operator.

8.   Secure the Housing Arm Cover to the Housing Arm Base with 6 T9 screws.
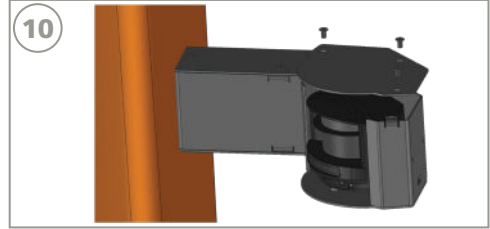
MOUNTING & ASSEMBLY

9. Mount and program the sensor according to the applicable LZR User's Guide.

10. Attach the Housing Lid with 3 T9 screws.

⚠️
- The sensor cannot be used for purposes other than its intended use.
- The manufacturer of the door system incorporating the sensor is responsible for compliance of the system to applicable national and international regulations and safety standards.
- The installer must read, understand and follow the instructions given in this manual. Improper installation can result in improper sensor operation.
- The manufacturer of the sensor cannot be held responsible for injury or damage resulting from incorrect use, installation or inappropriate adjustment of the sensor.

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.