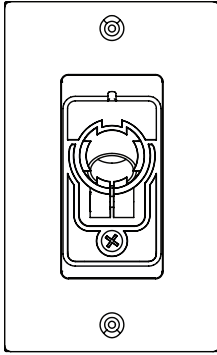# Echoflex Installation Guide
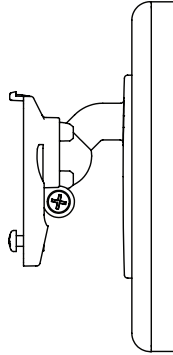## Wall Swivel Bracket EWM-BR

Overview

The Wall Swivel Bracket (EWM-BR) is an accessory designed to accommodate all models of the Wall Occupancy Sensor (ROS). The EWM-BR extends the range of installation possibilities for the ROS.

Front view

*Side view
default position*

The EWM-BR can be assembled and mounted straight on any wall surface, to a standard outlet electrical box, or a mud ring.

This document covers the assembly and installation of the EWM-BR. The product package includes the bracket assembly, flush-mount plate, and faceplate.

Prepare for Installation

To ensure optimal function, consider the installation environment and the following guidelines:

- Refer to the Wall Occupancy Sensor ROS installation guide for considerations regarding appropriate locations for the sensor and use of back plate.

Supplies required to install:

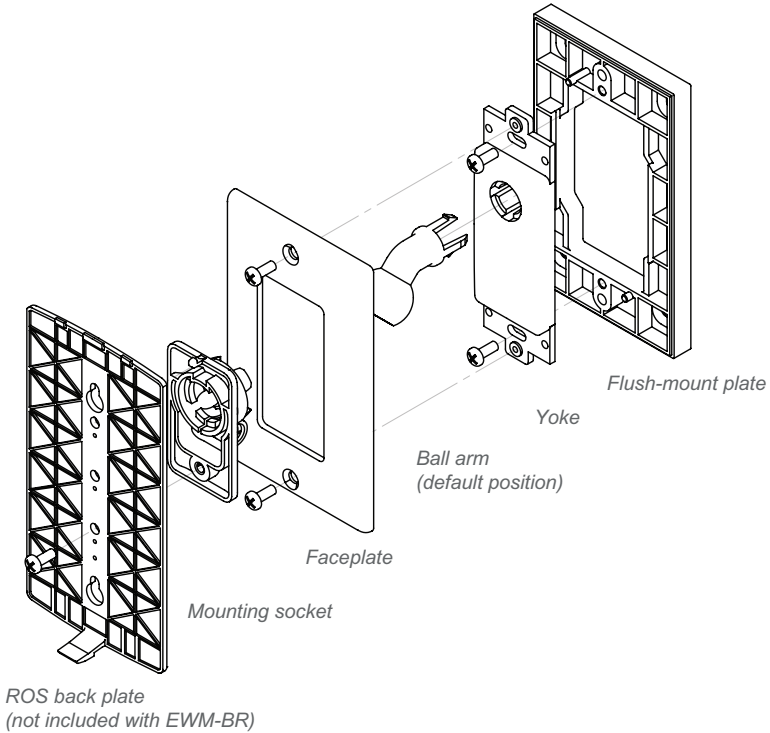- Two #6 screws and wall anchors (not provided)

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Wall Swivel Bracket

Installation

The EWM-BR provides mounting options to suit any installation location and target coverage. It can be adjusted 30° vertically and 67° horizontally, positioned using the ball arm, and further modified by the selected mounting holes on the back plate of the ROS sensor.

The wall-mount bracket assembly includes a flush-mount plate, a yoke, a ball arm, a decorator-style faceplate, and a mounting socket. The back plate is included with the ROS sensor.
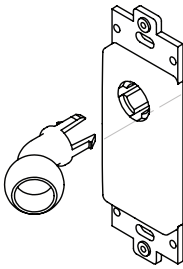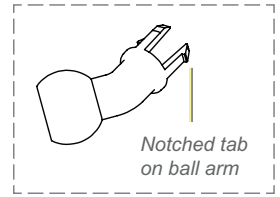
Flush-mount plate

Yoke

*Ball arm
(default position)*

Faceplate

Mounting socket

*ROS back plate
(not included with EWM-BR)*

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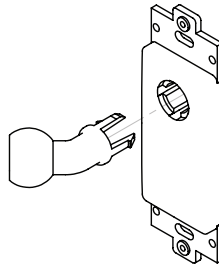## Wall Swivel Bracket

Position the Ball Arm

The ball arm is connected to the yoke by four flexible tabs, one of which is notched. The default position of the ball arm is suitable for mounting the EWM-BR straight on a wall.

By repositioning the ball arm's notched tab, the EWM-BR can be assembled to cover a left or right corner.

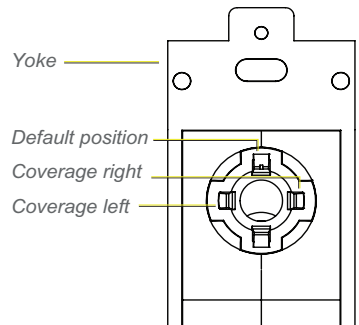*Notched tab on ball arm*

Position for coverage on the left

Position for coverage on the right

To change the ball arm position:

1. Pinch the notched tab and opposing tab together to remove the ball arm from the yoke.
2. Realign the notched tab for the target position as shown on the diagram beside.
3. Push the ball arm into the yoke to snap it in place.

Mount the Assembly

1. Mount the yoke and ball arm assembly to the target location.
   - If mounted directly to a standard outlet electrical box or mud ring, the flush-mount plate is not required.
   - If flush-mounted, attach the yoke to the flush-mount plate and screw the assembly to any surface using the appropriate hardware for the surface material.
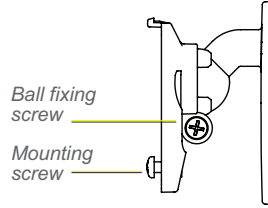2. Attach the faceplate to the yoke assembly.

Yoke

Default position

Coverage right

Coverage left

Notched tab positions

Echoflex Installation Guide
Wall Swivel Bracket

3. Loosen the ball fixing screw to separate the mounting socket from the ball side of the ball arm.
4. Attach the mounting socket to the ROS back plate (not included with the EWM-BR). For a middle mounting position, insert the tab on the top of the mounting socket in the second hole of the ROS back plate, and insert a mounting screw in the fourth hole.

Ball fixing screw

Mounting screw

> **Note:** *The third and fifth holes of the ROS back plate can be used for a vertical adjustment of up to 35°.*

Attach the Sensor

1. Clip the ROS sensor onto the ROS back plate that now includes the mounting socket.
2. Press the ROS mounting socket assembly onto the ball arm yoke assembly.
3. Adjust the angle of the ROS on the assembly and secure the angle with the ball fixing screw.

> **Note:** *For tests and settings that verfity the EWM-BR location, see the Wall Occupancy Sensor Installation Guide at* **echoflexsolutions.com**.