5816OD Wireless Outdoor Sensor – Quick Installation Guide

For Online Support visit: http://www.security.honeywell.com/hsc/resources/MyWebTech/

General Information and Component Identification

The Honeywell 5816OD Wireless Outdoor Sensor (referred to as the sensor) brings the convenience of wireless technology to the outdoors. The major features are:

- Weatherized security protection for an outdoor environment. Great for sheds, barns, garages, pool gates, fences, and rural mailbox (notifications).
- Versatile mounting options on flat and round materials.
- Cover and rear tamper detection.
- Can be painted to coordinate with mounting surface.
- Operating temp: – 40 to + 50°C (– 40 to +122°F) at RH of 100% (rain, snow).
- Magnet Gap (Wood): 2 inches
- Magnet Gap (Metal): 1.75 inches /no Magnet Spacer
- Magnet Gap (Metal): 2 inches /with Magnet Spacer

COMPONENT IDENTIFICATION

SENSOR BATTERY CHAMBER COVER SENSOR MOUNTING PLATE MAGNET MAGNET SPACER

5816OD-001-V0
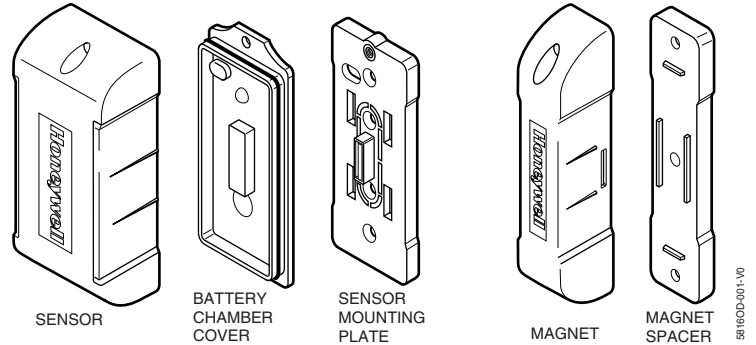
Installing / Replacing the Batteries

IMPORTANT:

- Change both batteries at the same time. Do not mix weak batteries with new batteries.
- Use two (2) lithium 1.5VDC AA cells. (For best life, use Eveready's *Energizer Ultimate LITHIUM* AA batteries, Honeywell part number 462)
- **OBSERVE BATTERY POLARITY**.

Battery Replacement:

1. Remove cover screw and swing Sensor to remove from Sensor Mounting Plate.
2. Use screwdriver in any pivot point and pry Battery Chamber Cover off. Replace batteries.
3. Orient Battery Chamber Cover so the screw hole lines up with the screw hole in the sensor cover, and press to close.
4. Engage Sensor tabs into mating holes in Sensor Mounting Plate and swing closed. Secure with cover screw.

TERMINAL BLOCK FOR EXTERNAL CONTACT SWITCH
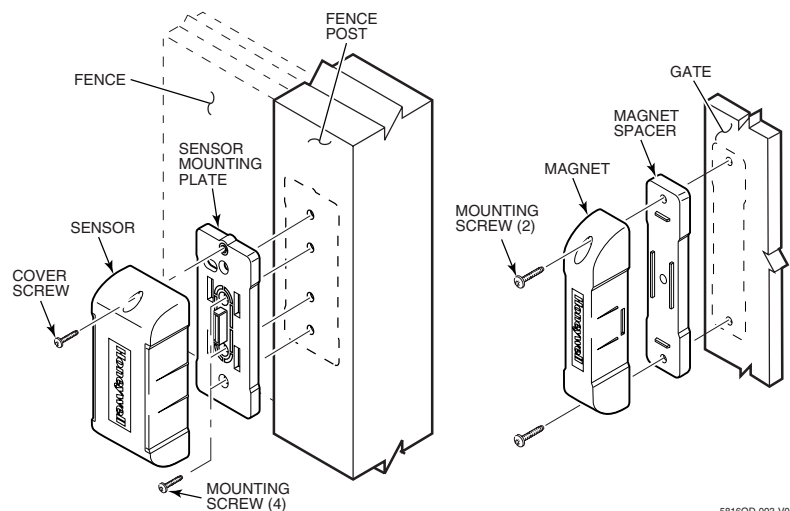
PRY POINTS

5816OD-002-V0
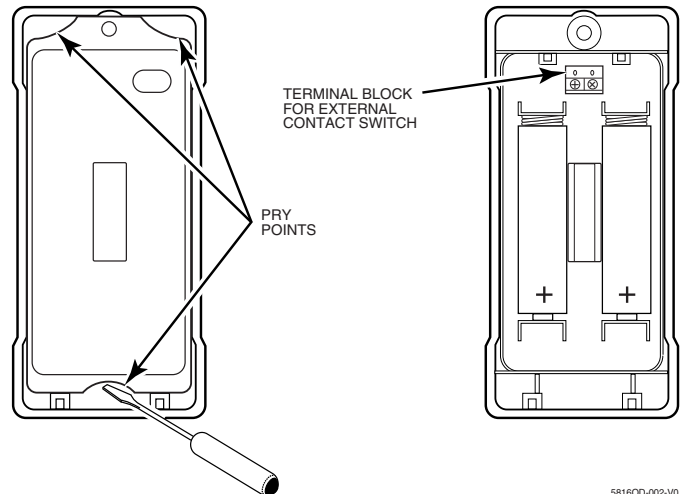
Mounting Guidelines

- Mount the Magnet on the magnet sensing side of the Sensor as indicated by the ribs on the Sensor.
- Mount Sensor on **stationary** surface, and Magnet on **moveable** surface.
- When used on wooden sheds and barns, mount the sensor and magnet on the inside of the structure.
- Use the Magnet Spacer when mounting on **metal** surfaces; or if needed to achieve proper alignment with Sensor.

Flat Surfaces:

- Use screws suitable for the material being fastened to.

FLAT SURFACES

FENCE POST

FENCE

SENSOR MOUNTING PLATE

SENSOR

COVER SCREW

MOUNTING SCREW (4)

GATE

MAGNET SPACER

MAGNET

MOUNTING SCREW (2)

5816OD-003-V0

Curved Surfaces:

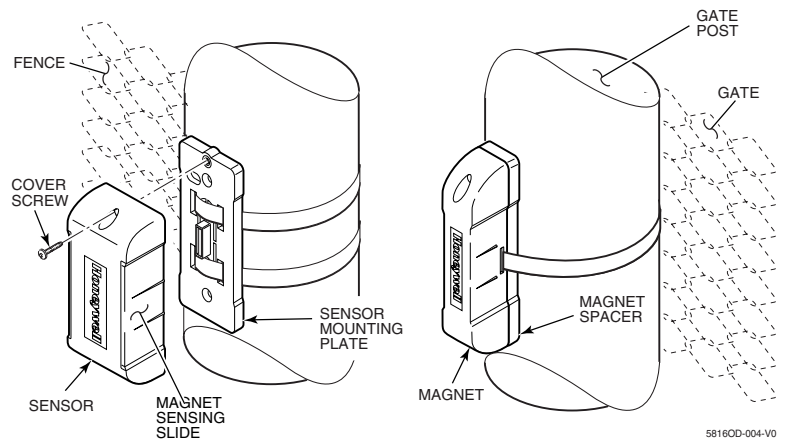- Mount using self locking stainless steel strap ties.

5816OD-005-V0

Self Locking Stainless Steel Strap Tie

- Alternately you can use extra heavy duty **Nylon 6/6 UV and Temperature Rated** cable ties (0.5 inch wide).

- If desired you may use screws in addition to the ties.

CURVED SURFACES

5816OD-004-V0

ROUTING EXTERNAL WIRING (Optional for use with external closed contact switches):

Note: Use minimum of 22AWG jacketed cable. The contact switch must be a normally closed type.

UL – The wired contact must be less than 3 feet from the transmitter.

1. Strip cable jacket back 4-inches to allow enough slack to remove Battery Chamber Cover when changing batteries.
2. Pass cable through the access hole in Sensor Mounting Plate. Use cable notch on mounting plate to pass jacketed portion of cable through. Then attach the Sensor Mounting Plate.
3. Route cable to the external contact switch and fasten at intervals to secure cable.
4. Remove the Battery Chamber Cover and thread wires through the rubber wire seal.
5. Connect wires to terminal block in battery chamber, and replace Battery Chamber Cover. (Note, orient the cover so the screw hole lines up with the screw hole in the sensor cover, and press to close.)
6. Engage Sensor tabs into Sensor Mounting Plate mating holes and swing closed. Secure with cover screw.
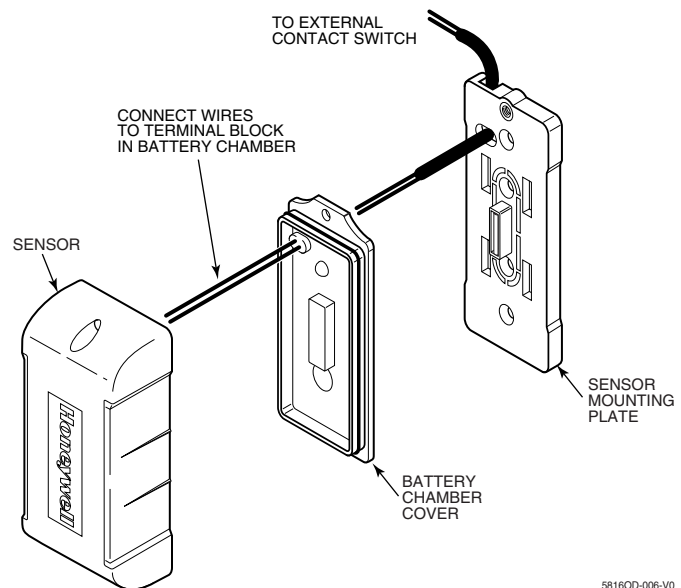
5816OD-006-V0

PAINTING THE SENSOR:

The sensor and magnet may be painted to coordinate its color with the mounting surface. Use only paints that are made for plastic and follow the manufacturers directions for preparing the plastic and applying the paint. Note, the required drying and curing times.
DO NOT USE METALLIC PAINT COLORS.

Recommended Paints:

- Krylon® "Fusion for Plastic"
- Rust-Oleum® "Plastic"
- Dupli-Color® "Vinyl & Fabric Coating"

Programming the Control Panel

You must program the transmitter's serial number, input type (RF Supervised), response type, and loop # in the control panel. (Either or both loops may be used. Loop # 2 is for the magnet sensing, and Loop # 1 is for the external contact switch.) Refer to the control panel's instructions for further details. **Note:** The transmitter's serial number may be found on the carton, and in the Battery Chamber.

Honeywell