

## PIR Beacon

#### PIR BEACON DESCRIPTION

This Low power RF based Location Beacon is triggered by it's built-in passive infra red movement sensor (PIR), the beacon is located in the proximity of a patient/baby bed or any other location that is relevant to the hand hygiene protocol at the installation site.

The PIR Location Beacon transmits pre-defined location signals when movement is detected by the PIR sensor, the signals are received by Hyginex bracelets that are located in the vicinity of the Location Beacon.

#### WIRELESS

- Frequency: 2.412 – 2.480 GHz
- Output Power: 0dBm
- Location Signal Duration: 500 ms
- Location Signal Interval: On PIR sensor movement detection

#### POWER

- Battery life: min. one year
- Uses 4 AA size 1.5V Alkaline batteries
- Voltage and current ratings:  
Batteries nominal voltage: 1.5V  
Idle current consumption (@1.5V): 50uA  
Maximum current consumption (@1.5V): 16mA

#### FUNCTIONAL

- Location Signal Types:  
Y – Hand Wash needed before and after approach to Beacon  
O – General area – Hand Wash needed only if hand were not washed when leaving previous P type Beacon.
- Location Signal Information: Beacon S/N, Signal Type, Department No., Room No., In Room No., Battery Voltage, Maintenance Needed Indicator

#### SIZE & WEIGHT

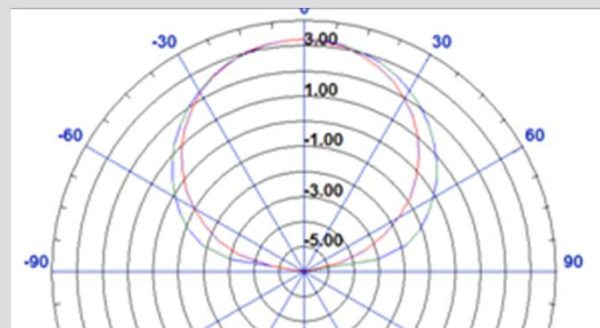
- 11.5 cm (l) x 9 cm (w) x 5.5 cm (h)  
(4.5 in. x 3.5 in. x 2.1 in.)
- 230 gr (8.1 oz) , incl. batteries 320 gr (11.2 oz)

#### ENVIRONMENTAL

- Operating ambient temperature range: 5 °C ~ 40 °C  
(41 °F ~ 104 °F)
- Storage ambient temperatures range: 5 °C ~ 40 °C  
(41 °F ~ 104 °F)
- Humidity: Up to 95% non condensing

#### CERTIFICATIONS AND APPROVALS

#### RADIATION PATTERN:



# Hyginex Beacon Specifications

#### FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.