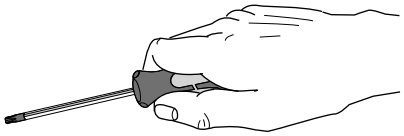
FAGERHULT SE - 566 80 Habo



Response High Bay

Microwave SENSOR PRINCIPLE : Microwave (HF), PIR
MICROWAVE SENSOR OPERATION FREQUENCY : 5.8GHz +/- 75MHz (HF)
POWER SENSOR TRANSMISSION : <0.2mW (HF)
BLUETOOTH FREQUENCY: 2,4GHz
BLUETOOTH TRANSMISSION POWER : 4 dBm

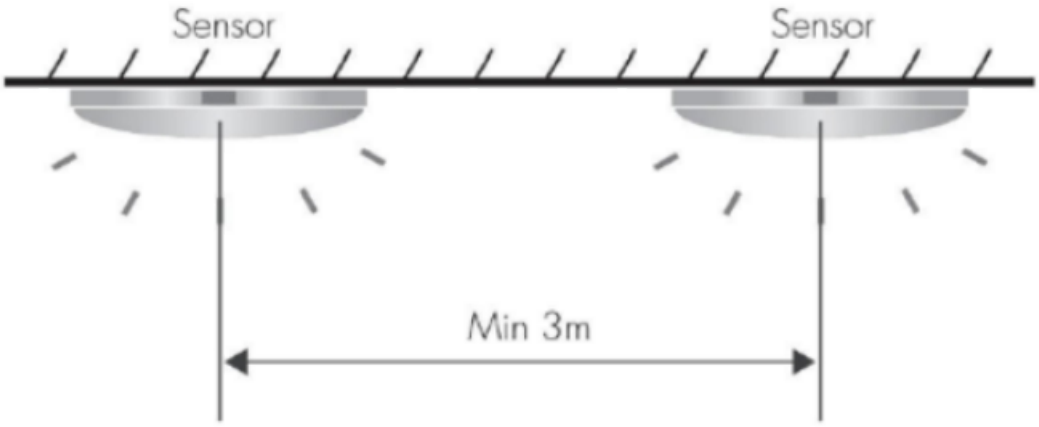
RF RANGE – NODE TO NODE 10 – 30m (LoS) (1)
RF RANGE – SMARTPHONE TO NODE 6m – 10m

1) Environmental obstacles may also impact RF communication range within the mesh network.
Field testing and environmental evaluation are advised before large-scale installation.

NODES PER IoT GATEWAY :150 (max) – this limit is based on bandwidth and redundancy for general cases.
Please contact Organic Response AB for further information around this limit for custom applications.

PRODUCT ENVIRONMENT FOR USE : Indoor and outdoor areas, with maximum recommended ceiling height of 15m.

Installation



To prevent false triggering between adjacent Response HighBay units, a minimum spacing of 3 meters LoS) is recommended.

Note! Minimum spacing may vary depending on the sensing mode (HF, PIR, HF+PIR, HF/PIR).
For example, in HF mode, interference from HF sensor transmissions and RF communications may cause false triggers; a spacing of at least 6 meters is recommended.

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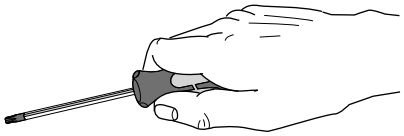
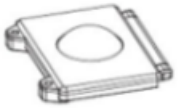
Response High Bay

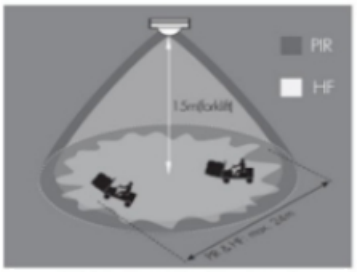


Detection Range

Wide Lens

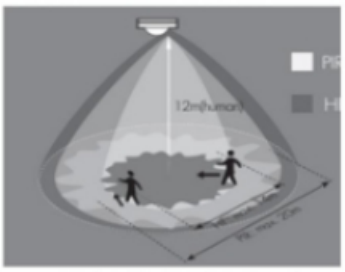


Detection pattern for forklift



PIR detection: Ø = 24m (max.)
HF detection: Ø = 24m (max.)

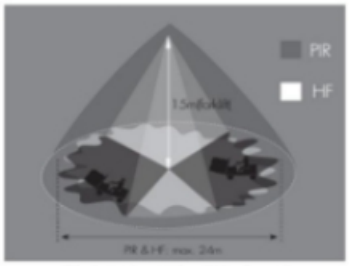
Detection pattern for human



HF detection: Ø = 14m (max.)
PIR detection: Ø = 20m (max.)

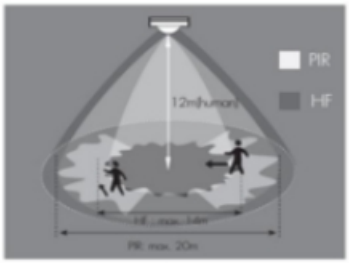
Narrow Lens

Detection pattern for forklift



PIR detection: Ø = 24m (max.)
HF detection: Ø = 24m (max.)

Detection pattern for human



HF detection: Ø = 14m (max.)
PIR detection: Ø = 20m (max.)

Max detection range:
HF: Ø = 24m (forklift) / 14m (human)
*PIR: Ø = 24m (forklift) / 20m (human) *At max*

INSTALLATION HEIGHT
Max: 15m (forklift detection)
Max: 12m (human detection)

DETECTION ANGLE 360°

For more information visit Organic Response documentation website.

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