

## Response Microwave

### TECHNICAL DATA

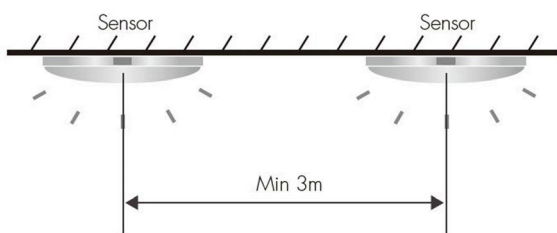
SENSOR PRINCIPLE	HF (High Frequency, microwave)
NUMBER OF DALI DEVICES SUPPORTED	Integrated PSU, Supports up to a maximum of 12 devices
BLUETOOTH FREQUENCY	2.4 GHz - 2.483 GHz
BLUETOOTH TRANSMISSION POWER	4 dBm
RF FREQUENCY BAND	2.4 GHz
RF TRANSMISSION POWER	8 dBm
RF RANGE – NODE TO NODE	10 – 30m (LoS) <sup>1</sup>
NODE TO NODE COMMUNICATION PROTOCOL – CONTROL	Wirepas 2,4ghz – Wireless RF
NODE TO NODE COMMUNICATION PROTOCOL – DATA	Wirepas – Wireless RF
RF RANGE – SMARTPHONE TO NODE	<10m
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 areas.
INSTALLATION HEIGHT	Max Installation height: 3m Max detection range: 10m (diameter) <sup>2</sup>
DETECTION ANGLE	30°~150°

<sup>1</sup>) Environmental obstacles and luminaire casing material may impact RF communication range within the mesh network. Field testing and environmental evaluation is advised before large-scale installation.

<sup>2</sup>) The detection range is heavily influenced by sensor placement (angle) and different walking paces.

### INSTALLATION

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



### DETECTION PATTERN

