EPI-DWS

Social Distancing Warning Wearable Device
Smart wearable social distance warning device. It uses a combination of light and sound to warn other people when the distance threshold is exceeded.

**APPLIANCES**
- Work offices.
- Public spaces (schools, libraries, museums).
- Public events (meetings, conventions, etc.).
- Construction.
- Industry, factory and warehouses.
- Theme parks, stadiums.
- Logistics.
- Retail and supermarkets.

**FEATURES**
- Plug & play and stand-alone device. Fast deployment.
- Respect people privacy. Any personal information or location tracking is not shared.
- High precision (±5cm).
- Low power consumption, high battery life (>12h).
- Battery rechargeable through USB-C cable.
- Warning based on the combination of light (LED) and sound (buzzer), with the possibility to mute/unmute the buzzer.
- Different distance thresholds and warning levels.
- Distance detection based on low frequency communication.
- Non-line-of-sight detection.
- Short range (<2m).

**DIMENSIONS**

**FUNCTIONAL PERFORMANCES**

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>PARAMETER</th>
<th>MIN</th>
<th>TYP</th>
<th>MAX</th>
<th>UNITS</th>
</tr>
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<tbody>
<tr>
<td>fsw</td>
<td>Carrier frequency</td>
<td>-</td>
<td>125</td>
<td>-</td>
<td>kHz</td>
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<tr>
<td>Ts</td>
<td>Sampling time</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>s</td>
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<tr>
<td>dth1</td>
<td>Distance threshold 1</td>
<td>1</td>
<td>-</td>
<td>1.5</td>
<td>m</td>
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<tr>
<td>dth2</td>
<td>Distance threshold 2</td>
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<td>-</td>
<td>1</td>
<td>-</td>
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<tr>
<td>Acc</td>
<td>Accuracy</td>
<td>0.5</td>
<td>-</td>
<td>%</td>
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<tr>
<td>N</td>
<td>Number of devices to detect at the same time</td>
<td>-</td>
<td>12</td>
<td>-</td>
<td>units</td>
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<tr>
<td>BL</td>
<td>Battery life (fully charged)</td>
<td>-</td>
<td>40</td>
<td>-</td>
<td>g</td>
</tr>
<tr>
<td>W</td>
<td>Weight</td>
<td>-</td>
<td>40</td>
<td>-</td>
<td>g</td>
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