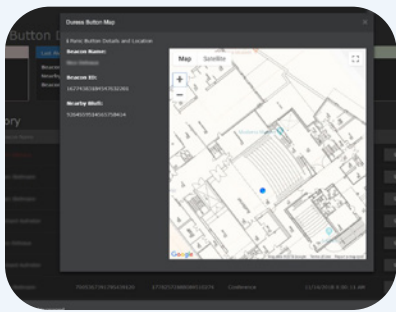


# BEEKs™ Duress Beacons

## Personal BLE beacons with alert buttons for location services and people safety

BEEKs™ Bluetooth Low-Energy (BLE) beacons are among the most advanced beacon badges in the industry. Worn as badges they can provide valuable insights on workplace utilization or help ensuring everyone is safely out of a building in emergency situations.



When combined with HID Global's end-to-end IoT Services ecosystem, that includes BluFi™ BLE to WiFi gateways and the Bluzone™ cloud services, BEEKs can be centrally managed through the cloud and BluFi devices to transfer new messages, firmware updates and battery status checks remotely. Their unique design allows BEEKs to broadcast reliably even in densely populated WiFi environments.

When the buttons on the backside of the BEEKs Button Badge or the sides of the BEEKs Duress Keyfob are pressed, the LED will start to blink and will send an alert to the Bluzone Cloud (when in range of a connected BluFi). It can trigger several reactions like: e-mail as part of policy; alert to screen and alert to report or API call to activate / present an alert on custom dashboard or customer's

legacy systems. This is typically used for distress or notification signals by the wearer of the badge.

The duress badge is designed to hold a personalized ISO card (with optional RFID) in horizontal format.

BEEKs Keyfob provides an audible alert in addition to the LED and may be used either for duress applications or for physical distancing applications (BEEKs Aware function) to help keeping people safe from infectious diseases.

BEEKs BLE beacons are available in multiple form factors and sensor configurations for different applications like Real-time Location (RTLS) for assets, condition monitoring of motorized equipment or retail use cases to interact with smartphones in an Apple iBeacon or Google Eddystone compatible format.

The extensible architecture allows organizations to scale deployments of standard beacon applications and extend to centralized management, real-time condition monitoring or location services in a later phase.



### KEY BENEFITS:

- Secure – Built-in duress call button will raise an alert when pressed indicating the device location, ID and nearest BluFi.
- Multi-Purpose – Use as BLE Beacon or in combination with any passive access card credential.
- Rapid Implementation – Gather real-time location data for workplace optimization, mustering, contact tracing or physical distancing.

### TECHNOLOGY HIGHLIGHTS:

- Bluetooth Smart 4.2 compliant beacons
- iBeacon (Apple), Eddystone (Google) and sBeacon HID supported simultaneously
- Location precision down to 6 ft (2 m)
- Central management possible
- Fast and easy roll-out
- Optional combination with any passive credential in ISO card format
- Call button, raising alert when pressed
- Usage options:
  - Personalized (locating individuals) or
  - Anonymously (utilization reports)
  - Contact tracing
  - Physical distancing (BEEKs Aware)
- Optionally support Location Services through Aruba BLE enabled access-points

# BEEKs™ Duress Beacons



## APPLICATION AREAS:

### Contact Tracing & Distancing (requires Bluzone™ SAAS)



- Trace contact duration and location to fight infectious diseases (with Prompt.Health Reporting)
- Ensure people safety and alert when getting too close to each other (requires BEEKs Aware functionality)

### Real-time location & duress alerting (requires Bluzone™ SAAS)

- Quickly locate individuals in an office or campus
- Position based alerting, heat-maps etc.
- Alert location function when the BEEKs duressbutton is pressed

### Emergency Mustering (requires Bluzone™ SAAS)

- Quick and efficient counting of people at mustering points in emergency situations
- Central provisioning or monitoring via BluFi and Bluzone optionally possible

	BEEKs™ Duress Badge	BEEKs™ Keyfob
		
<b>Model Number</b>	BVBBN4B	BEEKSKF
<b>Configuration Types</b>	BVBBN4B	Duress / Aware
<b>Part Number</b>	BVBBN4B	BVFOB-DURESS BVFOB-AWARE
<b>RF SPECIFICATIONS</b>		
<b>Bluetooth standard/ Protocol</b>	Bluetooth Low Energy (BLE) 4.2	
<b>Frequency Band</b>	2400-2483.5 MHz	
<b>Max Output power</b>	-3.35 dBm e.i.r.p	
<b>Number of channels</b>	40	
<b>Modulation</b>	GFSK	
<b>Antenna/gain</b>	integral PCB antenna, 0dBi	
<b>Mode of operation</b>	Half duplex	
<b>FEATURES</b>		
<b>BLE Application Supported</b>	Eddystone, iBeacon, sBeacon	
<b>Processor type</b>	ARM Cortex M3 and M0	
<b>Memory</b>	55KB Flash	128 KB flash
<b>Special Features</b>	Duress alert button; Slot to insert ISO card badge	Double duress alert buttons
<b>Audio Alert</b>	N/A	87db – Duress Alert, 30db - Physical Distancing (Aware)
<b>LED Alert</b>	LED blinks when button is pressed	LED blinks when button is pressed or distance alert
<b>PHYSICAL</b>		
<b>Length x Width</b>	2.5 in x 3.5 in x 0.19 in (64 mm x 89 mm x 5 mm)	2.79 in x 1.67 in x 0.57 in (71 mm x 43 mm x 15 mm)
<b>Mounting Method</b>	Clip	
<b>Housing Material</b>	Polycarbonate and ABS	
<b>Color</b>	White + transparent frame	White
<b>Weight</b>	0.85 oz (24 g)	1.3 oz (37 g)
<b>BATTERY</b>		
<b>Type</b>	Six CR2016, rated at 90 mAh each. Total 540mAh	3.0 V / CR2477 Coin Battery (replaceable)
<b>Life</b>	2.5 years with up to 200 alarm activations. 3 years with no activations.	up to 4 years (Duress use), up to 8 months (Aware use)
<b>CHEMICAL AND MECHANICAL RESISTANCE</b>		
<b>Water</b>	IP65	
<b>Withstands Exposure To</b>	Water and UV resistant	
<b>THERMAL</b>		
<b>Storage</b>	-4° to +170° F (-20° to +77° C)	-4° to +158° F (-20° to +70° C)
<b>Operating Temperature</b>	-4° to +170° F (-20° to +77° C)	-4° to +158° F (-20° to +70° C)
<b>OTHER</b>		
<b>Standards</b>	FCC / CE	FCC / CE / IC / MIC
<b>Options</b>	When alarm is activated, it will send an alert to the Bluzone Cloud (when in range of a connected BluFi). Possible alert reactions: 1) email as part of policy; 2) alert to screen and to alert report 3) API call to activate / present alert on custom dashboard or customers legacy systems. 4) LED on device will blink 5) Audible alert on BEEKs Keyfob model	
<b>Aware Functionality</b>	No	Yes (BVFOB-AWARE)
<b>Box Size</b>	10 pcs.	
<b>Warranty</b>	1 year	



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