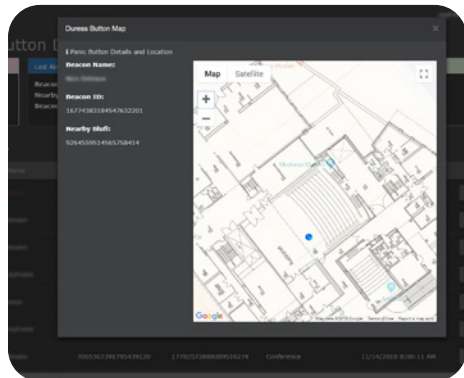**HID®**

BEEKs™ Duress Beacons

PERSONAL BLE BEACONS WITH ALERT BUTTON FOR LOCATION SERVICES AND PEOPLE SAFETY

- **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)

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 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.

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

SPECIFICATIONS

	BEEKs™ Duress Badge	BEEKs™ Keyfob
Model Number	BVBBN4B	BEEKSKF
Configuration Types	BVBBN4B	Duress / Aware
Part Number	BVBBN4B	BVFOB-DURESS BVFOB-AWARE
RF SPECIFICATIONS		
Bluetooth standard/Protocol	Bluetooth Low Energy (BLE) 4.2	
Frequency Band	2400-2483.5 MHz	
Max Output power	<10 dBm (e.i.r.p)	
Number of channels	40	
Modulation	GFSK	
Antenna/gain	integral PCB antenna, 0dBi	
Mode of operation	Half duplex	
FEATURES		
BLE Application Supported	Eddystone, iBeacon, sBeacon	
Processor type	ARM Cortex M3 and M0	
Memory	55KB Flash	128 KB flash
Sensors	Accelerometer (for energy saving)	
Special Features	Duress alert button; Slot to insert ISO card badge	Double duress alert buttons
Audio Alert	N/A	87db – Duress Alert, 30db - Physical Distancing (Aware)
LED Alert	LED blinks when button is pressed	LED blinks when button is pressed or distance alert
PHYSICAL		
Length × Width	2.5 in × 3.5 in x 0.19 in (64 mm × 89 mm x 5 mm)	2.79 in × 1.67 in x 0.57 in (71 mm × 43 mm x 15 mm)
Mounting Method	Clip	
Housing Material	Polycarbonate and ABS	
Color	White + transparent frame	White
Weight	0.85 oz (24 g)	1.3 oz (37 g)
BATTERY		
Type	Six CR2016, rated at 90 mAh each. Total 540mAh	3.0 V / CR2477 Coin Battery (replaceable)
Life	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)
CHEMICAL AND MECHANICAL RESISTANCE		
Water	IP65	
Withstands Exposure To	Water and UV resistant	
THERMAL		
Storage	-4° to +170° F (-20° to +77° C)	-4° to +158° F (-20° to +70° C)
Operating Temperature	-4° to +170° F (-20° to +77° C)	-4° to +158° F (-20° to +70° C)
OTHER		
Standards	FCC / CE	FCC / CE / IC / MIC
Options	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	
Aware Functionality	No	Yes (BVFOB-AWARE)
Box Size	10 pcs.	
Warranty	1 year	

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