

New

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.



APPLICATIONS

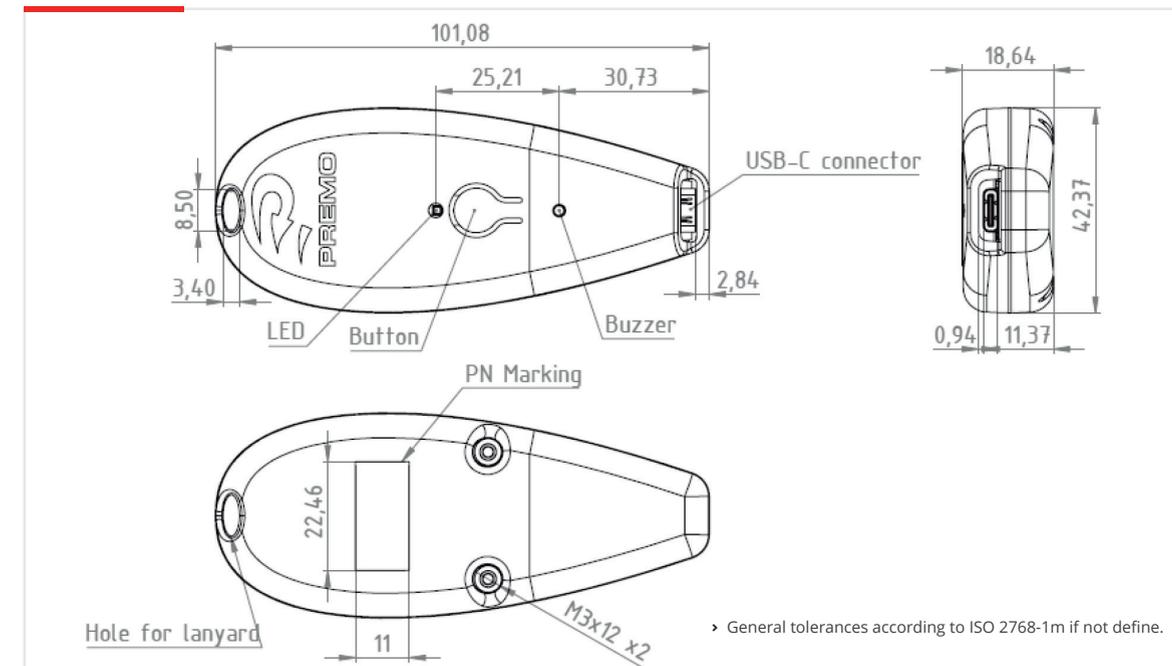
- › Work offices.
- › Public spaces (schools, libraries, museums).
- › Public events (meetings, conventions, etc).
- › Construction.
- › Industry, factory and warehouses.
- › Theme parks, stadiums.
- › Logistics.
- › Retail and supermarkets.

01 FEATURES

- › Plug & play and stand-alone device. Fast deployment.
- › Respect people privacy. Any personal information or location tracking is not shared.
- › High precision ($\pm 5\text{cm}$).
- › Low power consumption, high battery life ($>12\text{h}$).
- › 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 ($<2\text{m}$).

02 DIMENSIONS

DIMENSIONS (mm)



FUNCTIONAL PERFORMANCES

SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS
f_{sw}	Carrier frequency	-	125	-	kHz
T_s	Sampling time	-	1	-	s
d_{th1}	Distance threshold 1	1	-	1,5	m
d_{th2}	Distance threshold 2	-	-	1	-
Acc	Accuracy	-	0,5	-	%
N	Number of devices to detect at the same time	-	-	20	units
BL	Battery life (fully charged)	12	-	-	h
W	Weight	-	40	-	g