Proxxi Band Wearer

ONBOARDING MANUAL

Proxxi Band Wearer Onboarding Manual

GETTING STARTED
Each Box Contains

- 1 electric wearable field sensor (wristband)
- 1 induction charging dock
- 1 charging cord
- 1 quick start guide

⚠ ATTENTION

- Proxxi Band is not designed to replace any step in existing safety procedures; it helps detect human error in everyday work processes.
- The wristband is not intended to replace any existing safety requirements or processes.
- Proxxi Band should be used by suitably trained personnel (qualified or unqualified).
- Proxxi Band is a proximity sensor; never contact energized equipment.
- If Proxxi Band is used without fully understanding the interface and limitations, serious injury can occur.
- The wristband is analyzing the AC waveform and it will not alert for DC voltage.
- Verify if your wristband is 60Hz vs 50Hz, and ensure that it is appropriate for your environment.
- Variable frequency drive (VFD) sources may not read as expected when they are at low Hz.
- Static may produce false alarms.
- Proxxi Band detection will be impacted by situations that result in energized equipment producing a weaker field, such as: 3 phase equipment, grounded equipment, equipment that is close to the ground, and when gear is wet.
- Use only on the wrist; do not attach wristband to other equipment or to a hot stick.

USING THE PROXXI BAND
Charging

- Plug the power adapter into an appropriate outlet.
- Connect the power adapter to the charging cradle and set the wristband into the cradle to charge.
- A full charge takes approximately 4 hours, and the charge lasts 30+ hours (depending on use).

When to Use the Wristband

Use the wristband on the default or other voltage setting for:

- Any environment where the equipment should be de-energized or is presumed to be electrically safe.
- When intending to stay outside of the restricted approach boundary of live equipment Mute the wristband.

Mute the wristband or do not wear it for:

• Work on known live sources (ex. live work, testing, troubleshooting).

• When not performing work around potentially hazardous sources (ex.at home, at the office, during breaks, while commuting).

Wearing the Wristband

• Wear your wristband on the wrist of your dominant hand.

• When wearing your wristband, ensure that there is skin to wristband contact (do not wear on top of a sleeve for example).

• Customize by cutting off extra strap length following the score marks.

• Be sure to leave enough length to fit comfortably.

• Use the keeper loop to secure the strap.

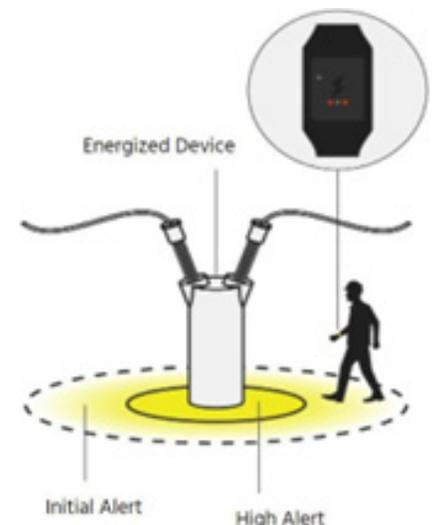• If quick release is required, do not use the keeper loop.

PROXXI BAND SETTINGS

Alert Types

Initial Alert:
• Entering the initial alert zone triggers all of Voltage's sensory alerts (light, sound, vibration).

• Alerts increase in rate as the user moves closer to energized device.
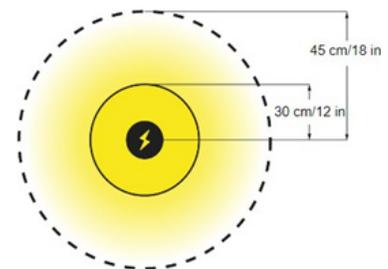
High Alert:
• The wristband alerts at its highest rate once the user moves closer to the energized source, into the high alert zone.

• Alerts will continue until the wearer moves sufficiently away from the energized device.

• The high alert occurs at the restricted approach boundary of your chosen setting.

Energized Device

Initial Alert   High Alert

Default Settings

• Proxxi Band's default is set to alert at the appropriate distance from a 480V source. On this setting, it will emit an initial alert at the equivalent electrical intensity to 480V at 18in/45cm*.

• The wristband does not know the voltage of the equipment or the distance from the energized source.

• The wristband will alert at further distances for higher voltage equipment and closer distances for lower voltage equipment.

• Settings are adjustable in the app.

45 cm/18 in

30 cm/12 in

*Initial alert distances are applicable for wristbands shipped after 2023-05-19. Wristbands shipped prior to this date will perform the initial alert on the default 480V setting at 2ft/60cm unless it has been otherwise requested by the organization.

Custom Settings

If your organization is using custom settings, refer to the online guide for installation instructions:
https://support.proxxi.co/installing-custom-settings

Tap-to-Mute

• When you tap the wristband with an open palm twice in a row, the wristband will enter a mute state for 1 hour.

• While muted the wristbands will not provide any alerts when nearing energized equipment.

• Tap-to-mute is disabled while the wristband is actively alerting.

• You must move away from the energized source to proceed with tap-to-mute.

• At the end of 1 hour, the wristband will automatically unmute.

• If unmuting is required before the end of the hour, you can tap twice with an open palm to unmute.

• The wristband can be muted and unmuted using the mobile app.

WRISTBAND AND CHARGER INTERFACE

Wristband Notifications (Lights, Sound, and Vibrations)

Note: The below represents v23.016 and above. Previous firmware versions may have different notifications.

Electric Field Triggers:

Exceed initial alert threshold	Intermittent flash of status indicator lights, vibration, and beep
Exceed high alert threshold	Persistent flash of status indicator lights, vibration, and beep

Battery Status:

Wristband on	Battery indicator flashing (any color)
Battery 40-100%	Battery indicator flashing green
Battery 10-39%	Battery indicator flashing amber
Battery <10%	Battery indicator flashing red
Critical battery state (<5%)	Single beep

Charge Status:

Charging engaged	Double vibration
On Charge (<5%)	Battery indicator is solid red
On Charge (6-99%)	Battery indicator blinks amber-green every 5 seconds
On Charge (100%)	Battery indicator is solid green

Mute and Voltage Settings:

Wristband in mute state	Slow alternating flash of status indicator lights
Mute via tap	Single beep
Unmute via tap	Single beep
Setting changed (higher than default)	Short double vibration
Setting changed (lower than default)	Short triple vibration
Return to default	Short double vibration
New default setting (custom settings)	Double vibrate

Charging Cradle Notifications (Lights)

Charger connection to wristband is stable	Charger LED solid white
Charger connection to wristband is unstable	Charger LED flashing white
Charger not is connected to either wristband or power	Charger LED off

THE PROXXI MOBILE APP

Downloading and Pairing with the App

• Scan the QR code with a mobile device to download the app or search "Proxxi Voltage" in the app store.

• To pair you will need the 4 digit code on the back of your wristband and your mobile phone number.

ANDROID   iOS

Using the Mobile App

Proxxi Band can work independently from the app but using both in conjunction is recommended:

• An internet connection is required for data syncing.

• A cellular connection is required for login.

• Bluetooth is required for all interactions.

The Home Screen

From the home screen of the app you will be able to view details including:

• Current battery levels and sync status of the wristband.

• Current voltage detection mode (and alerting parameters) for the wristband.

You are also able to test wristband alerts, triggering the wristband to flash, vibrate, and beep.

Wristband Details

In the Wristband section of the mobile app you will be able to view additional information about the Proxxi Band. You can also:

• Pair and unpair your wristband from the app.

• Power down the wristband.

• Update the wristband firmware.

Note: Powering down the wristband fully disables all wristband communication. To turn back on the wristband, the user will need to put the wristband on charge for a few minutes.

Adjusting Alerts

In the Alerts section of the mobile app you can adjust the voltage sensitivity of the wristband. The settings are configurable but the pre-loaded settings are based on Limits of Approach as defined in NFPA 70E.

We recommend that you select a voltage environment that is at or below the environment that you expect to be working with.

Each time you change the voltage settings you will be asked to set the amount of time you'll be working in that environment. This is to ensure that you can't accidentally leave the wristband's sensitivity set to an environment that isn't aligned with your next workplace.

At the end of the timer, the wristband will always return to the default for maximum protection.

Muting Alerts

Note: Only mute alerts when it is safe to do so.
• Muting is recommended if you are not performing electrical work (during your commute or when in an office environment) to avoid nuisance alerts
• All work safety procedures must continue to be followed.

Contacting Support

If you are experiencing any issues with your wristband or your app, or want to learn more, you can always select the support button (?) in the top right corner.

From here, you can visit our online support center to learn more or troubleshoot your problem, or create a ticket for our team to review.

Product Specifications

Dimensions	**Wristband:** 262mm x 32.5mm x 12.5mm (max wrist size: 247mm or about 9.7in circumference)
	Charger: 46mm long x 36mm wide x 16.5mm tall
	Power Adapter Type A (NA): 58mm long x 25mm wide x 58mm tall, 1.5m cord
	Power Adapter Type C (EU): 58mm long x 25mm wide x 77.5mm tall, 1.5m cord
	Power Adapter Type G (UK): 58mm long x 48mm wide x 70.5mm tall, 1.5m cord
	Individual Box Unit Box: 127mm x 101.5mm x 101.5mm
	6 Unit Shipping Box: 330mm x 228.5mm x 152.5mm
Type of load	**Wristband:** Wirelessly charged by dock
	Dock: 5V/1A (Micro-USB connector)
	Charger (wall-wart) • Type A (NA): In: 120V Out: 5V DC/1A • Type C (EU): In: 240V Out: 5V DC/1A • Type G (UK): In: 240V Out: 5V DC/1A
Connection type	Micro USB
	Bluetooth LE (5.0, 4.2 compatible)
Sensitivity	480V and above
Activation time of each alert	**Initial Alert** - 1-2 short buzzes every 5 seconds until removed from hazard area
	High Alert - Sustained until wearer removed from hazard area
Battery Life	Approximately 30 hours
Certifications	• IP68 Compliant • SOC3 Compliant Data • ASVS Lvl 1 Center Storage • GDPR-compliant C E FC
Communication	Bluetooth LE