

The Keeper permanently senses voltage and current at distance, alerting the user before entering a dangerous area. The Keeper not only indicates the hazard but also indicates the direction and distance of the hazard.

By using the Keeper, you minimize:

- The electrical risk associated with sources of any voltage level, such as power lines, cables or downed installations in storm zones.
- The risk of electric arc, associated with high current sources, such as panels, disconnectors and industrial installations.

The operation is very simple and intuitive, it is a permanent watch device, which makes it extremely safe, since it does not need to be turned on to operate, the Keeper is always alert, taking care of you.

The Keeper mounted on the visor of the safety helmet, alerts the operator in real time through lights and sounds.

The location on the helmet allows the operator to use peripheral vision, without having to look at it.

The Keeper detects 360 dangers around the user, and will not only indicate the danger, but will also give the direction and approximate distance of the threat.

The Keeper has 4 modes of use according to the user's expertise: Rookie, Standard, Professional and Professional Plus.

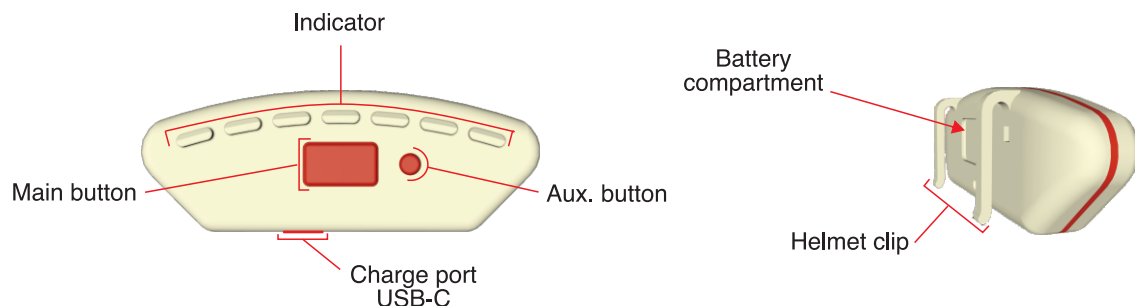
Characteristics

- Intuitive use.
- Always alert, always looking after you.
- Robust and lightweight design (30 g.).
- Directional and proximity alerts.
- Adjustable sensitivity, according to the user's expertise.
- Water resistant.
- High capacity rechargeable Li-ion battery.
- Self-test function, "TRUE TEST".
- Standards:

IEC 61243-6
F3283/F3283M

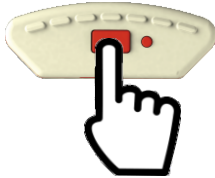


Keeper | Keeping you safe



Operation Modes

POWER ON



To power the Keeper on, press and release the Main button.
The Keeper will execute an AUTO-TEST routine & it's ready to use.

VOLTAGE INDICATION



The Keeper will indicate voltage at distance by **RED indicators**.
The origin of the voltage, will be indicated by animations of the indicators, pointing the origin of the source: left, front, right.

CURRENT INDICATION



The Keeper will indicate current at distance by **YELLOW indicators**.
The amount of current detected, will be indicated by animations of the indicators, like a vumeter.

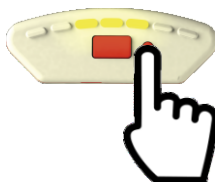
SLEEP MODE



After 60" with no voltage or current detection the Keeper will enter SLEEP mode, one short beep will indicate SLEEP mode.

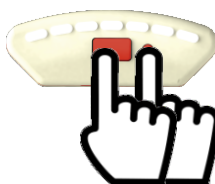
Even though the Keeper is in SLEEP mode, the Keeper stays ALERT and ready to use.

CURRENT MODE



Keep "AUX" button pressed to force the KEEPER to only detect current.
A short beep will indicate this mode.
In this mode VOLTAGE detection is disabled.

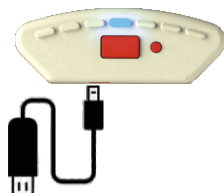
PLANE MODE



Pressing both MAIN and AUX buttons will lead to POWER-OFF.
A quick animation of white indicators + sound will indicate the Keeper successfully entered POWER-OFF mode.
Only use this mode for storage or traveling.
This mode does not keep you safe.

User Mode Selection

1



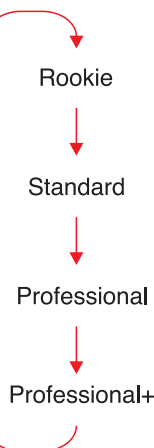
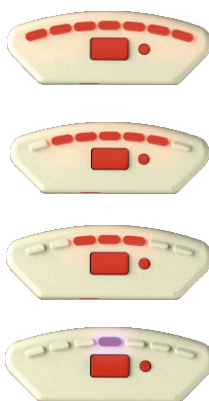
Connect the Keeper to a power source through the USB-C cable supplied. A blue blinking led will indicate that the Keeper is charging and ready to select the user modes.

2



Press the MAIN button, the keeper will emit a sound and indicates the actual **VOLTAGE** user mode selected.

3



Pressing the MAIN button, you can cycle trough the different **VOLTAGE** user modes.

4



Release the MAIN button for 3 seconds, the keeper will emit a sound and indicate the actual **CURRENT** user mode selected.

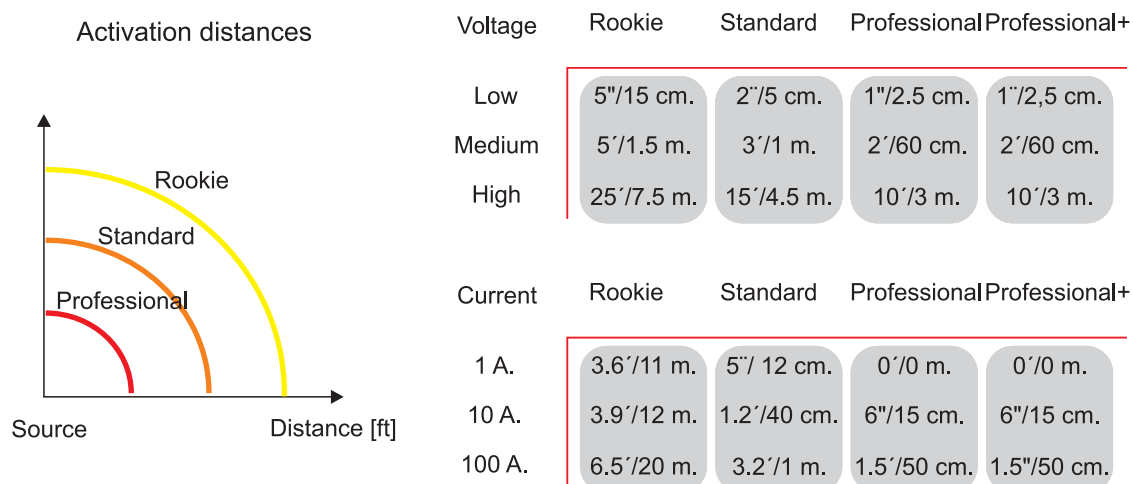
5



Pressing the MAIN button, you can cycle trough the different **CURRENT** user modes.

User Mode Selection / Product behaviour

The keeper can be configured in 4 modes of use, according to the user's expertise. Each mode has an associated detection distance.



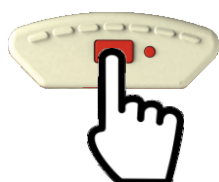
User Modes

- Rookie: No knowledge of electrical hazards and arc flash risks.
- Standard: Basic knowledge of electrical hazards and arc flash risks.
- Professional: Advanced knowledge of electrical hazards and arc flash risks, knows the safety distances based on the voltage involved.
- Professional PLUS: Same as professional mode, but intended for on site work.

The mode of use can only be changed when the keeper is in charging mode to prevent it from being changed in the workplace.
Activation distances may vary depending on the electromagnetic field configuration.

User Mode Selection / Profesional+ Mode

The professional mode allows adapting to the present voltage and current conditions, silencing the keeper, so as not to interfere during work in known dangerous situations.



To adapt the keeper, press the central button while it is in alert mode. (do not interfere with your hand between the equipment and the voltage source, to better performance)

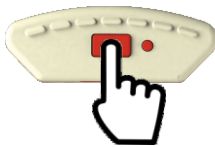


Once adapted, the keeper will confirm with a sound and a purple indication that the sensitivity has been adapted to the environment. If the keeper moves towards the source, the alarm will start sounding again.

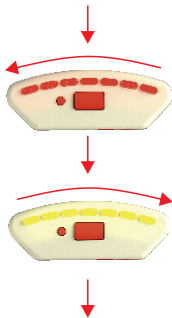
AUTO-TEST routine

TRUE TEST, the Auto test routine, not only tests the sound and lights. When starting an auto test the keeper internally generates an electromagnetic field that tests the voltage and current sensors, making it a 100% real test.

1

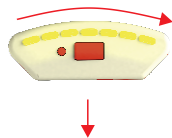


To run auto test, press and release "MAIN" button



Auto test routine will:

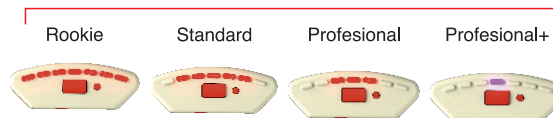
1- Test all the **voltage indicators** plus sound,



2- Test all the **current indicators** plus sound,

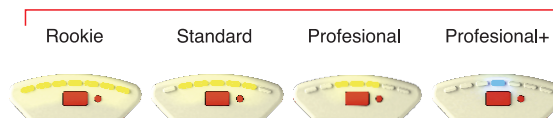
3- Show the user mode selected for Voltage,

Rookie mode: 7 Red Indicators
Standard mode: 5 Red Indicators
Professional mode: 3 Red Indicators
Professional+ mode: 1 Purple Indicator.

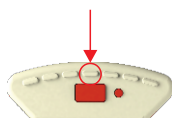


4- Show the user mode selected for current

Rooky mode: 7 Yellow Indicators
Standard mode: 5 Yellow Indicators
Professional mode: 3 Yellow Indicators
Professional+ mode: 1 blue Indicator. **In this mode, CURRENT DETECTION MODE DISSABLED.**



Error codes



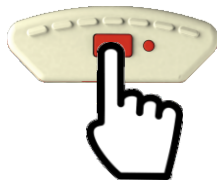
If the test is **NOT SATISFACTORY**, the Keeper will enter ERROR mode disabling its use.

The center Indicator will show the type of error:

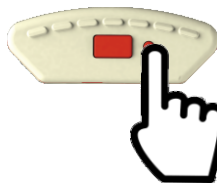
- Yellow** Blinking - Battery Low.
- Red** blinking - Very Low battery.
- 1 **Red** Blink - Left Voltage sensor error.
- 2 **Red** Blinks - Right Voltage sensor error.
- 3 **Red** Blinks - Current sensor error.

Auxiliary Modes

The keeper has 3 auxiliary modes, such as flashlight, "SOS" signal and sound beacon.

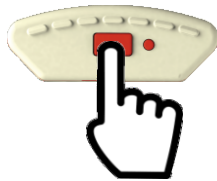


Press & Hold
2 AUTO-TEST cycles



To enter auxiliary modes, keep pressing MAIN button for two TEST cycles.

Press AUX button to cycle the different modes.

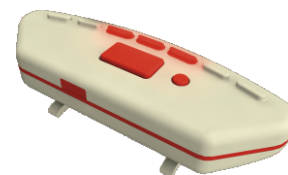


To exit, press MAIN button again.

Product specifications

- Voltage & current detector at distance from low to high voltage.
- Directional and proximity alerts.
- Adjustable sensitivity, according to the user's expertise.
- Indications: Intelligent RGB LEDS, Hy Intensity 720 mcd. Buzzer, Sound pressure level 87 dB.
- Self-test function - "TRUE TEST".
- Dimensions: 2.5" x 1.25" x 0.75".
- Weigth 0.1 lbs.
- High capacity rechargeable Li-ion battery
- Autonomy: Up to 3 months in stand by.
- USB-C connector.
- Water resistant.
- Shock resistant.
- Microprocessor inside: Low power high performance Microcontroller – 64 MHZ, 10 bits ADC.
- Magnetometer: 3 Axis Magentic sensor, 0,25 mG resolution .
- Standards:

IEC 61243-6
F3283/F3283M



In search of continuous improvement we reserve the right to modify the design of the equipment, without prior notice.