

Angel React

Connected DATI for Lone Worker Protection

Automatic fall detection

IP54 or ATEX version available

DATI/PTI



Technical specifications

The ANGEL React Genius is available in two versions:

- Standard version
- Genius ATEX, designed for use in potentially explosive hazardous areas

Weight: 33 g

Dimensions: 72 × 42 × 13 mm

Genius Starter Kit Dimensions: 300 × 210 × 35 mm

Genius Starter Kit Weight: 350 g

Charging: Compatible only with the ADRESYS charging station

Charging Current: Approx. 140 mA

Ingress Protection: IP20 standard, IP54 available on request

Humidity: 10–95% relative humidity, non-condensing

Battery: Lithium-ion polymer, 0.88 Wh

Battery Operating Time: Approximately 12 hours

Operating Temperature: -10°C to +50°C

Storage Temperature: -10°C to +50°C

ANGEL React App: Android and iOS

System Requirements: Bluetooth® LE (4.2 or later), location services (e.g., GPS), and an Internet connection (e.g., Wi-Fi or 3G/LTE/5G)

The device is approved for use with:

- ANGEL React Clip (holder)

Compliance – EMC Standards

- EN 55011 Group 1, Class B, EN 61326-1:2013, EN 300328 V2.2.2, FCC 47 CFR Part 15, EN 62368-1:2015 + AC:2015

ATEX Certification

- II 3G Ex ic IIB T4 Gc
- II 3D Ex ic IIIB T135°C Dc

Compliant with the following standards:

- EN IEC 60079-0:2018
- EN IEC 60079-11:2024
- Classified for Zone 2/22 in accordance with Directive 2014/34/EU (ATEX).

Product description

The **ANGEL React Genius** is a connected **Lone Worker Protection Device (DATI/PTI)** designed to enhance the safety of employees working alone in industrial, technical, and high-risk environments.

Worn on a belt or attached to work clothing, this personal safety device continuously monitors the user's activity and automatically detects potentially hazardous situations such as falls, loss of vertical position, or prolonged immobility.

In the event of an incident, an alarm is triggered to promptly notify designated contacts and facilitate a rapid emergency response.

Available in both **IP54** and **ATEX-certified** versions, the **ANGEL React Genius** is suitable for use in standard industrial environments as well as in potentially explosive atmospheres.

► Automatic Emergency Situation Detection

The **ANGEL React Genius** continuously analyzes the wearer's movements using its integrated sensors. This constant monitoring enables the rapid detection of abnormal situations such as a fall or prolonged immobility, which may indicate a medical emergency or workplace accident.

When a critical event is detected, the device automatically initiates the alert procedure predefined by the company, helping to ensure a fast and effective emergency response.

► A Solution Designed for Industrial Environments

The **IP54 version** is intended for industrial facilities, maintenance operations, logistics platforms, and technical service teams. Its robust design enables it to withstand the demands of everyday working conditions while providing reliable protection for lone workers.

The **ATEX version** has been specifically developed for environments where there is a risk of explosion. Certified for use in **ATEX** hazardous areas, it helps protect operators working in industries such as chemicals, petrochemicals, energy, and food processing.

► Applications

- Manufacturing Industry
- Industrial Maintenance
- Chemical and Petrochemical Industries
- Energy and Utilities
- Logistics and Warehousing
- Food and Beverage Processing
- ATEX Hazardous Areas

Safety Functions : Detection of immobility and accidental falls. Detection of electrical accidents when used in conjunction with the ANGEL React Shirt System

Alerts : Integrated audible and visual emergency alarm. Automatic alarm activation or manual triggering via the SOS button

Communication : Bluetooth connectivity with a smartphone. Transmission of alerts to emergency contacts through the ANGEL React mobile application

Configuration : System settings and emergency contacts can be configured directly from the mobile app

Monitoring : Continuous monitoring of the user's activity. Automatic initiation of the emergency response chain when an incident is detected

Device Wearing Options : Can be attached using the Clip System (crocodile clip) or the dedicated Shirt System textile holder

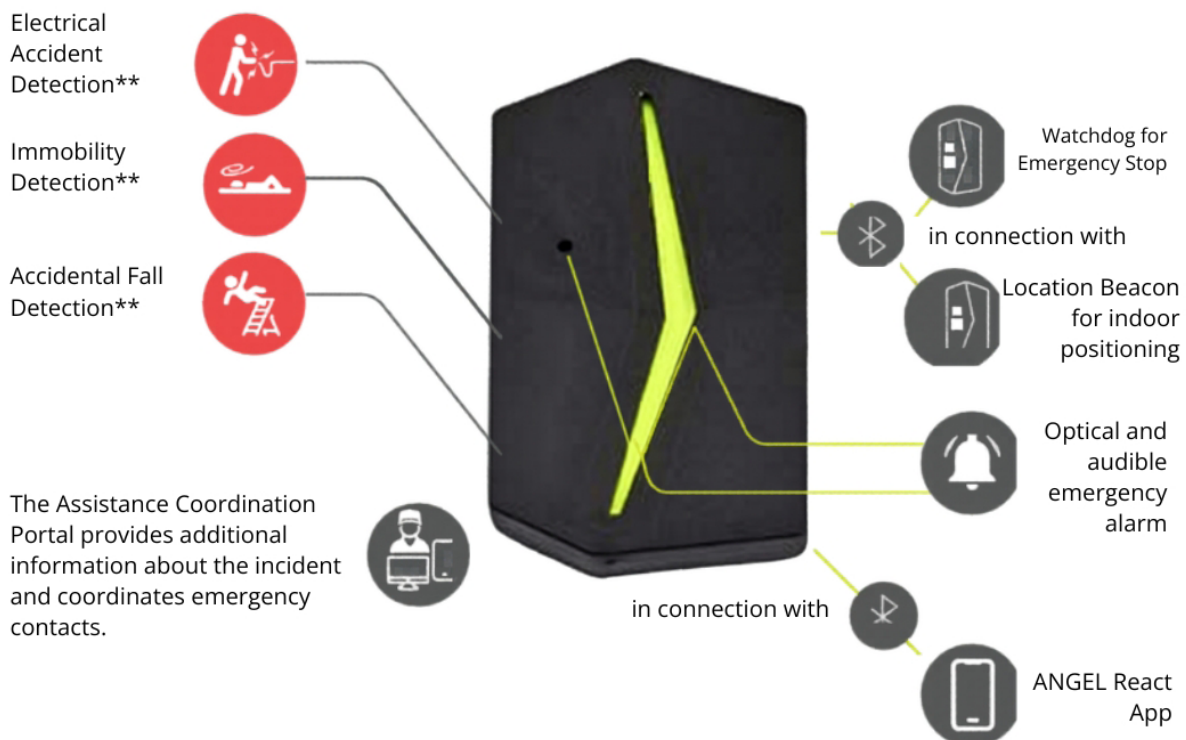
Mobile Application : Displays system status, Enables parameter configuration and alert management

Data Management : Event logging and alert tracking through the ANGEL React ecosystem

Compatibility : Compatible with the ANGEL React Clip System, ANGEL React Shirt System, Watchdog, and Location Beacon

Alert Management : Emergency notifications can be sent to designated contacts via SMS, email, and automated phone calls through the Assistance Coordination Portal

Features	Génius IP54	Genius ATEX
Fall Detection	oui	oui
Immobility Detection	oui	oui
Lone Worker Protection	oui	oui
Automatic Alert Triggering	oui	oui
Industrial Use	oui	oui
IP54 Protection Rating	oui	non
ATEX Certification	non	oui
Manual SOS Alarm Activation	oui	oui



**Electrical accidents are detected only by the Shirt System.