

Technical data sheet

ANGEL React Clip system

The system supports you in your daily work and gets help when you can no longer do it. The electronics unit is attached to a belt or waistband using a bracket. Motionlessness and fall accidents are detected using integrated sensors and an intelligent algorithm. The individual rescue chain is informed immediately – for fast and reliable help.

Who should wear an ANGEL React Clip system?

- All lone workers
- All mobile workers
- People exposed to dangers

ANGEL React Clip Genius – the smart unit behind the system

Weight: 33 g
Dimensions: 72 x 42 x 13 mm
Dimensions of starter package: 300 x 210 x 35 mm
Charging: with ANGEL React charger only
Charging current: typical 140 mA
IP protection: IP 20
Humidity: 10 – 90 % rh
Lithium-Ion-Polymer battery: 0.88 Wh
Genius operating battery runtime: 12 h typical

Working conditions

Operation: -10 °C to 50 °C
Storage: -10 °C to 50 °C
Storage for optimal battery lifetime: 10 °C to 25 °C
Charging: 0 °C to 45 °C
Fast Charging: 10 °C to 40 °C
Limitation: Not authorized for people with cardiac pacemakers.

ANGEL React charging station

Weight: 50 g
Connection: USB-C male
Supply voltage: +4 V to +5.5 V
Current continuous: 250 mA
Standby current when Genius is fully loaded: 35 mA
Standby current when no Genius is attached: 550 uA

Working conditions

Operation: 0 °C to 50 °C
Storage: -10 °C to 50 °C

EMC standards

EN 55011 Group 1, Class B: Electromagnetic disturbance characteristics - Limits and methods of measurement

EN61326-1:2013: Electrical equipment for measurement, control and laboratory use – EMC requirements

EN300328 V2.2.2: Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band

FCC 47 CFR Part 15: Federal Communications Commission (FCC) rules and regulations regarding unlicensed transmissions

EN62368-1:2015 + AC 2015 Audio/video, information and communication technology equipment – Part 1: Safety requirements

Contains FCC-ID: X8WBT840

Contains IC: 4100A-BT840

ANGEL React clip

Weight: 52 g
Dimensions (H x W x D): 90 x 60 x 25 mm
Color: Black

ANGEL React App

The ANGEL React App is the communication app for the ANGEL React Clip Genius (for Android and iOS). The app is constantly running in the background when installed on a phone. This increases the battery consumption of the smartphone. A permanent data connection is required for sending alarm messages and communication with the ANGEL React infrastructure services.

Operating Systems: Android from 7.1.1, IOS from iOS 14

System requirements: Bluetooth® LE (4.2 or higher), Location service (for example, GPS or IPS), Internet connection (for example, WiFi or 3G/LTE/5G).

Infrastructure

Multi-redundant data infrastructure in European locations

Redundant alarm paths: ≥2

Non-redundant server for user registration

Registration is obligatory to use service

Power supply

Device is OEM and potentially subject to change.
Input current: Only with power-limited power supply according to IEC61010-1 and IEC61010-2-201.
Connection: USB-A Euro or Ireland/UK power supply
Nominal voltage: 5 V +/- 10 percentage
Overvoltage category: OVC II
Protection level: IP 20
Protection Class: II, protective insulated connection
Voltage range: 100 – 240 Vrms/50 – 60 Hz Input