

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 ADRESYS 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.

Charger

Weight: 50 g

Connection: USB-C male

Supply voltage: +4V to +5.5V

Current continuous: 250 mA

Standby current when Genius is fully loaded: 35 mA

Standby current when no Genius is attached: 550 mA

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 (HxWxD): 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 battery consumption of the phone. 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 10

System requirements: Bluetooth LE (4.2 or higher),

Location service (for example, GPS),

Internet connection (for example, WiFi or 3G/LTE/5G).

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ANGEL React Shirt System

Infrastructure

Multi-redundant data infrastructure in European

Geolocations: 2

redundant alarm paths from phone to emergency center: ≥ 2

Emergency Center certifications:

VdS 3138-1:2013-12, VdS 3138-2:2014-06,

DIN EN 50518-1:2014-10, DIN EN 50518-2:2014-10,

DIN EN 50518-3:2014-10.

Not redundant server for user registration. Registration is obligatory to use service.

Power supply

Device is third party and potentially subject to change.

Weight: 26 g

Connection: Euro male Type C, USB-A female

Voltage range: 100 - 240 Vrms / 50 - 60 Hz

Input current: maximum 300 mA

Output current: maximum 1 ADC

Protection level: IP 20

Protection class: II