

# Technical data sheet

## ANGEL React Location Beacon

The ANGEL React system supports you in your daily work and gets help when you can no longer do it. If an accident is detected by the electronics unit (Genius), the stored information of the Location Beacon in range will be reported in the Help Coordination Portal.

### Who should use an ANGEL React Location Beacon?

- All persons working alone indoors with large floor spaces
- All persons working alone indoors without any GPS reception

### ANGEL React Location Beacon

Weight: 275 g  
Dimensions: 105 x 178 x 56 mm  
Dimensions of Watchdog package: 210 x 297 x 60 mm  
IP protection: IP 20  
Humidity: 5 – 95 % rh, non-condensing  
Usage: indoor  
Maximum operating height: 2000 m above sea level  
Pollution degree: PD2

### Working conditions

Operation: -10 °C to 55 °C  
Storage: -10 °C to 55 °C

### Functioning

The Location Beacon is maintenance-free, cleaning is not intended.

### 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-C 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

### 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  
**IEC 61010-1:2010 + AMD1:2016**  
**EN 61010-1:2010 + A1:2019**  
**EN IEC 61010-2-201:2018**  
Contains FCC-ID: X8WBT840  
Contains IC: 4100A-BT840

### ANGEL React app

The ANGEL React app is the companion app for the ANGEL React Shirt Genius or ANGEL React Clip Genius running on Android and iOS smartphones. The Location Beacon needs to be configured in the app (name, room number, level, GPS coordinates, etc.) via an admin connection.