AVO300
SPECIFICATIONS

AVO300 TECHNOLOGY

The AVO300 is a powerful personal safety device. It combines mobile communication with GPS technology so that you can monitor the safety of employees that work alone.

WHY THE AVO300

> The latest technology

> Easy to use global platform

> Control your costs & improve ROI

> Use straight out of the box

> Customized software and hardware

> BS8484 compliant

> GCF approved

WHO NEEDS AN AVO300

> Security Guards

> Care Workers

> Lone Workers

PRODUCT DESCRIPTION

The AVO300 mobile is a GPS location device which is designed for personal safety and security. The AVO300 primarily transmits its location information using GPRS but can fall back on text messaging when in areas of poor GPRS coverage allowing clients to control their costs. As the AVO300 is a GSM quad band device, it will operate in most parts of the world.

KEY FEATURES

One Touch SOS Button
If you are in distress, press the SOS button to get help. The AVO300 will send your details to your chosen control room or contact.

Welfare Check
A command can be sent to the device which will automatically ask the user if they are 'OK' by showing a message on the screen at a designated time interval. If the user does not confirm 'OK' an alert can be sent to the control room or emergency contact.

Safety Zones
Create up to 4 Safety Zones (both in and out zone alerts).

Automatic Reporting
Set service start/end time and GPS location interval (cycles). The AVO300 automatically reports its position to the AVO300 platform providing travel history.

Fall Sensor
The AVO300 is equipped with a Fall Sensor which immediately sends out alert information in case of a 'man down' situation.

Amber Alert
Pre-set your amber alert timer when going into a potential conflict area. If you do not cancel your amber alert within the agreed time period an alert will be sent.

Power Status
Sends out alert information when the AVO300 is switched on or off and when the battery power is low or charging.

Proof of Attendance
Update your location/time and date manually to provide full check in and out facility.

Non-Movement
The AVO300 automatically detects when there is no movement and will stop sending its position to save battery power and data usage. As soon as it detects movement (based on settings) it will start cycling again.

GENERAL SPECIFICATIONS

Dimension (mm–H/W/D)
> 92 x 44 x 17.9 mm

Weight
> 74 g

SOFTWARE

Ring Tone
> 16 channel polyphormic MIDI for incoming calls

Voice Codec
> FR, EFR, HR, AMR

Two Path Audio
> Earphone and receiver

Phonebook
> 20 numbers

SMS
> Possibility to receive text messages

GPS
> Ublox All-in-One GPS receiver
> GPS accuracy 2.5m–5m
> Acquisition rate (TTFF defined at 95% of first position local station)
> Standard GPS mode:
>> Hot start 1 second, average in open sky
>> Warm start <30 seconds, average in open sky
>> Cold start 30 seconds, average in open sky

OTA
> Over the air command settings

Motion Sensor
> Sends out alert information when activated and shock is detected

Speed Sensor
> Sends out alert information when activated and speed threshold is met

HARDWARE

Chip Set
> MTK MT6 223D with closed embedded OS supporting AVO300 custom protocol

GPS Baseband
> uBlox 6 Engine GPS Receiver

Band
> Quad band GSM 850/900/1800/1900

Receiver
> 20 x 14 mm

Speaker
> 20 x 14 mm

Screen
> 1.3" white OLED display

Keyboard Backlight
> LED: Navy blue

Vibrate Mode
> Yes

Bluetooth
> Yes

GSM Antenna
> Internal antenna

GPS Antenna
> Internal antenna

System Interface
> Proprietary

Earphone Interface
> Yes

Temperature
> -10° to +55° C

PACKAGE CONTENTS

The AVO300 comes in a complete package:
> Handset
> Travel charger
> 1000 mAh battery (Li-ion)
> Hands free headset

ACCESSORIES

Available accessories are:
> Belt clip
> Travel charger
> Car charger
> Hands free headset
> 1000 mAh battery (Li-ion)