



S3 Lone Worker Safety Wristwatch

Easy to use SOS wristwatch phone!





Navigil S3 wristwatch has been designed for lone workers who may face a situation where they need help during their work day.

Get help in an emergency

Mobile phone function in Navigil S3 can be used to make amber alert calls in order to make a preannouncement to record forthcoming entry to a dangerous location and to make a red alert call to get help in an emergency. Possibility to call for help easily significantly increases worker safety and reduces accident related leave of absence days.

Location tracking outdoors and indoors

GPS/GLONASS receiver in Navigil S3 is used outdoors to determine the location of the lone worker. Tracking can be either continuous or only when worker makes a red alert call. Beacons can be used to provide accurate indoor location without use of amber alert calls. A-GPS support enables GPS receiver to acquire location information very fast and even in challenging conditions. Beacons can be used to define zones

- 3G/2G phone in an analog wristwatch
- Single button SOS call
- Man down alarm
- No movement alarm
- GPS and beacon indoor location
- Battery low and critical alarms
- Long battery life

or used individually to pinpoint wristwatch's location with 10 - 30 metre accuracy in good GPS satellite availability conditions. Beacons can be also used to mark no entry danger zones causing immediate alarm upon entry.

Easy to deploy

Navigil S3 comes with a SIM card pre-installed - simply select appropriate wearer profile and configure the phone numbers and the S3 is ready to go. Navigil S3 has profiles and configurations for various type of use cases. Richness of the user interface and default settings for each use case can be defined in a configuration. All configurations are enabled to receive phone calls from white listed phone numbers.

System integration

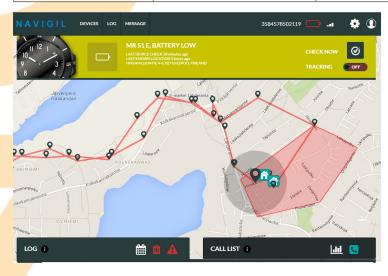
Navigil Rafael service APIs be used to enable communication with workforce management and alarm receiving centre software solutions. Alarms and warnings can be sent via voice call, e-mail, SMS, IP and SCAIP channels.

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Industry benchmark footprint and functionality

Communication SMS, FTP, HTTP, TCP, UDP, USSD Receiver type GPS/GLONASS receiver, SBAS WAAS/EGNOS/MSAS support Sensitivity Acquisition -148 dBm, navigation -162 dBm A-GPS A-GPS assistance (up to 28 days) Short range comms BLE Bluetooth Low Energy communication with home and mini beacons MCU Processor ARM Cortex-M3, 512 kbytes (total code memory) RAM & flash 64 kbytes (total RAM), 8 Mbytes (total data flash) Audio Microphone / speaker Adjustable gain and volume control User interface Wearer profiles Auto, easy, full and tracking (dementia) profiles Adjustable UI Selected profile enables/disables UI features Watch Analog watch, two software controllable hands Buttons Crown, emergency call, speed dial and yes/no/up buttons LEDs 3 user interface / status LEDs Other Two row OLED display, speaker, vibrator Sensors Onboard 3D accelerometer, temperature Battery Li-ion 500 mAh Operation time Phone always on Typical 1 - 4 days, depending on use profile and conditions Software features Data communication SMS, USSD, GPRS, HSPA+ with message buffering on data flash Over-the-air updates Configuration, parameters, safe zone, firmware and boot loader Red Alert Watch wearer initiated Red Alert call to Alarm Receiving Centre Amber Alert Watch wearer initiated Amber Alert call to recording service User initiated phone calls Receiving phone calls Automatically or by user accepted calls, white list access control Automatic alarms No movement, man down, danger zone entry (beacon)	Mobile comms	Modem type	Tri band 3G/GSM/GPRS/EDGE/UMTS/HSPA+ (EU and US versions)
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Beacons Charging dock Easy to use charging dock with beacon functionality	Enclosure	S 3	Splash water protected, standard strap, 22 mm interface
	Dimensions	S3	Diameter 48 mm, thickness 17 mm, weight 65 gr. (normal strap)
Battery beacons Indoor location information	Beacons	Charging dock	Easy to use charging dock with beacon functionality
		Battery beacons	Indoor location information



Key features are:

- · Red alert call with single push of a button
- Amber alert call
- Emergency location report

Navigil Ltd.

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