




essence mPERS ES900BG77 LTE Cat M1 and Cat NB2 Module User Guide

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**Smart Security
mPERS
User Guide**



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Introduction

The Smart Security mobile PERS (mPERS) is an emergency signaling device with built-in fall detection and two-way LTE cellular communications. mPERS is ideal for senior care, lone workers, and personal safety.

Features include:

- High-quality two-way voice communication
- Outdoor and indoor location
- Fall detection
- Panic button alert
- LED and haptic status indication
- Water-resistant for showering, swimming, and outdoor use
- Charging cradle and long-life battery

- False alert cancellation
- Supports automatic over-the-air software programming and configuration upgrade



Operating the mPERS

Press the mPERS button to get help.

Notifications

When you press the mPERS button or the mPERS detects a fall, the pendant sends an emergency notification to the monitoring center. The monitoring center can request geolocation information from the mPERS.

Supervision

The pendant is a supervised device. The pendant periodically transmits its status to the monitoring center.

Charging the Battery

To charge the mPERS battery, place the mPERS in the charging cradle.

Specifications

Following are mPERS technical specifications:

Category	Data
Part Number	ES900MP
Communications	<ul style="list-style-type: none"> • LTE cellular network • BLE Protocol • Voice over IP
Geolocation	<ul style="list-style-type: none"> • Wi-Fi • Cellular triangulation
Power	<ul style="list-style-type: none"> • Battery: Rechargeable • Battery life: 1 voice call with geolocation. Up to 7 days of standby
Dimensions	<ul style="list-style-type: none"> • Size (H x W x D) : 51x 38 x 13 mm (2.0 x1.5 x 0.5 in.) • Weight: 65 g (2.3 oz.)
Environmental	<ul style="list-style-type: none"> • Storage ambient temperature range: -20°C – 70°C (-4°F – 158°F) • Operating ambient temperature range: -10°C – 55°C (14°F – 131°F) • Operating humidity: Up to 95% non-condensing Water and dust resistance: IP 67
Certifications and Approvals	<ul style="list-style-type: none"> • FCC • IC • IKO6

This device complies with FCC Rules Part 15 and with Industry Canada's license-exempt RSS. Operation is subject to the following two conditions:

1. This device may not cause harmful interference
2. This device must accept any interference received including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. For Industry Canada:
- This Class B digital apparatus complies with Canadian ICES-003.
- Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Radiation Exposure Statement: The product complies with the portable RF exposure limit in Canada and the USA set forth for an uncontrolled environment and is safe for intended operation as described in this manual. Further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Essence Security Ltd.) could void the user's authority to operate the equipment.

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Documents / Resources



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