



part of the **Essence Group**

# EverGuard-Care Control Panel



ES6502HC

*Personalized Home Care Solution*

EverGuard-Care is a Personalized Home Care Solution designed for the growing population, disabled and people that suffer from dementia and that wishes to “age peacefully at home”.

- ✓ **Long-Range Deployments** - over 2000 feet RF reach
- ✓ **Remote Monitoring of System Status** - temperature report embedded in every peripheral
- ✓ **Various Communication Modules** - Cellular 3G/4G
- ✓ **Reduced Shipment Costs** - compact, light-weight design
- ✓ **Less Maintenance** - Long battery life



*A discreet and passive monitoring of the individual's activities of daily living (ADL) assuring his/her wellbeing.*

*The system automatically learns the individual behavior and notifies upon any abnormality.*

*With millions of systems and peripherals installed internationally, Essence Security is a technological and market leader in the field of advanced machine to machine solutions for homes, offices and full-service central monitoring stations*

## ES6502HC Control Panel Specifications

### Wireless communication with the peripherals:

- Up to 1000 meters RF range (open air)
- End-to-end bidirectional ESI protocol
- Advanced radio supervision algorithm
- Modulation: BFSK
- Frequencies: 868.3 MHz or 916.5 MHz
- Encoding: 32-bit ID, over 4 billion combinations

### High quality, long range voice verification:

- Two-way Audio
- Enhanced echo canceling DSP-based algorithm
- Speaker programmable gain
- Ultra sensitive microphone

### Safety Functionality:

- Various Detectors (Water, Smoke, Gas, etc.)
- Extreme Temperature Detection
- Various panic (SOS) devices

### Video (external camera):

- High Resolution & Quality Color motion JPEG Video\* or JPEG Stills

### Remote Control:

- Automatic Software Upgrade
- Remote Programming and Configuration

### Electrical Power Supply:

- Input: 100-240 VAC, 50/60Hz - external AC adaptor
- Li-Polymer rechargeable backup battery for up to 36 hours - 3.7V, 1.4Ah



### Communication Modules:

- Cellular Network: GSM/GPRS/EDGE/3G
- Cellular Module: Quad band (850/900/1800/1900 MHz)

### Communication Modules:

- Interfacing protocols: SIA or Essence Proprietary Protocol (ESI)

### Physical:

- Dimensions: 127x 127 x 72 mm (L x W x D)
- Weight: 560 grams (incl. battery)
- Color: White & Grey
- Mounting: Desktop, Wall, with Bracket

### Environmental:

- Operating Temperatures: 0°~ 49° Celsius

### General Features:

- Personal Security
- Multi language vocal reminders
- Onboard SOS and call CMS buttons
- LED indications for system status

### Certifications and approvals:



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

**WARNING!** To comply with FCC and IC RF exposure compliance requirements, the device should be located at a distance of at least 20 cm from all persons during normal operation. The antennas used for this product must not be co-located or operated in conjunction with any other antenna or transmitter.

This device complies with FCC Rules Part 15 and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and  
(2) This device must accept any interference received, including interference that may cause undesired operation

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le dispositif doit être placé à une distance d'au moins 20 cm à partir de toutes les personnes au cours de son fonctionnement normal. Les antennes utilisées pour ce produit ne doivent pas être situées ou exploitées conjointement avec une autre antenne ou transmetteur.



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