Tag Reader

ES700TR5
Wireless Access Control RFID Tag Reader with 5 Buttons

Product

The simplest and most user-friendly control node / access control unit. It features:

- User's identity verification using RFID technology implemented in a portable Tag (ES700TAG) carried by the user.
- Has ARM, DISARM, partial ARM, Perimeter ARM, bell, SOS, open and close door functions.
- The ES700TAG Tag is an elegant device, comfortable to use and carry, light-weight and easily attached to a keychain. Due to its RFID passive technology, it requires no battery.
- Extremely easy and simple to use

Lifestyle

"Plug-&-Play" state-of-the-art Wireless security system:

- User-friendly
- Utilizes cutting-edge technology
- Bidirectional RF wireless communication
- Battery operated
- Easy to install
- Nonintrusive, state-of-the-art design

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 Security International Ltd.) could void the user's authority to operate the equipment.

WARNING! To comply with FCC 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.

Specifications

COMMUNICATION:
- Bi-directional: End-to-End Bi-Directional ESI protocol
- Advanced radio supervision algorithm
- Up to 700 meters / 2296 ft. RF range (open air)
- Modulation and Frequency: BFSK , 868.3 for Europe MHz or 916.5 MHz for USA
- RFID modulation: ASK, 13.56MHz
- Encoding: 32-bit ID, over 4 billion combinations

SECURITY:
- Tamper mechanism when removed from wall mount
- Unique electronic serial number

POWER CONSUMPTION:
- Used 3 standard AA Alkaline batteries
- Long operational period (36 months)
- Tag is a passive unit and does not require a power source

SIZE and WEIGHT:
- Dimensions:
  - Tag Reader: 90x90x25 mm / 3.5x3.5x1 In. (LxWxD)
  - Tag: 50x34x7 mm / 2x1.3x0.3 In. (LxWxD)
- Weight:
  - Tag Reader: 135 gr. / 0.3 lb. (excluding batteries)
  - Tag: 10 gr. / 0.02 lb.

ENVIRONMENT:
- Operating Ambient Temperature range: -10°C ~ 55°C / 14°F ~ 131°F
- Humidity: up to 95%, non condensing

CERTIFICATION:
- CE: CE mark, EMC/EMI according to ETSI EN 301 489-4, ETSI EN 301 489-1, EN 50130-4:1996, EU Directive 1999/5/EC for R&TTE
- Radio: ETSI EN 300 220-3, ETSI EN 300 220-1, CEPT/ERC Recommendation 70-03, EN 50131-5-3:2005 + A1:2008
- Safety: EN/IEC60950-1, TUV : UL 60950-1
- Security & Alarm systems: EN 50131-1:2006 + A1:2009 Class-II Grade-2, EN50131-6:2008 Type-C
- Environmental Regulation: RoHS 2002/95/EC
- Reliability (Mechanical & Environmental conditions): EN 50130-5:1999 and IEC 60068
- Manufacturing and Materials Standards: ISO 9001:2008, ISO 14000

This device complies with FCC Rules Part 15. 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

Certifications and approvals:

CE

For more information, go to: www.essence-grp.com