WeR@Home™
Tag Reader
Datasheet

ES800TR
Access control tag reader

Product

The simplest, user-friendly access control unit.

Features include:

- User identity verification via portable proximity RFID tag in wireless access control application
- 5-button design provides system status and other functions
- Allows arming, partial arming, and disarming WeR@Home™
- Personal SOS alarm (panic button)
- Dual purpose as a tag reader and a doorbell button
- Indoor and sheltered outdoor installation
- Support for up to 8 tags
- Efficient power consumption to extend the operational period
- Supports automatic over-the-air software programming and configuration upgrade (RSU)

WeR@Home™ Smart Living

The WeR@Home™ suite allows living life fully through smart connected homes

- Home security and safety at the core
- Notifications of security events and remote management of the home in real time
- Modular and expandable - manage connected home devices with Z-Wave® expansion
- Smart Rule engine for automation – decide which device, condition, or event will trigger which actions and at what time
- Live HD video – anytime, on any screen
- Save energy and money by ensuring that lights and air conditioning are turned off when not at home

Specifications

COMMUNICATIONS

- **Maximum RF range:** 500 m (1,640 ft.) open air
- **Maximum transmission:** 25 mW (14 dBm)
- Proprietary bi-directional radio protocol
- **Modulation and frequency:** DSSS, 2.4 GHz
- **RFID band:** ISO 14443ª/MiFare, 106 kbps, 13.56 MHz
- **Data security:** 128-bit AES encryption

SECURITY

- Tamper alarm: when detached from wall

POWER

- Three AA size alkaline batteries (reader only)
- One-year battery life

DIMENSIONS

- **Reader**
  Size (H x W x D): 98 x 98 x 28 mm (3.9 x 3.9 x 1.0 in.)
  Weight: 135 g (0.3 lb.) + 45 g (0.1 lb.) battery
- **Tag**
  Size (H x W x D): 47 x 33 x 10 mm (1.9 x 1.3 x 0.4 in.)
  Weight: 10 g (0.02 lb.)

ENVIRONMENT

- **Storage ambient temperature range:** -20ºC to 50ºC (-4ºF to 122ºF)
- **Operating ambient temperature range with batteries:** 0ºC to 50ºC (32ºF to 122ºF)
- **RF operating humidity:** up to 95% non-condensing

COMPLIANCE

- **FCC:** YXG-ES800TR5
- **IC:** 11061A-ES800TR5

essence
Better life made possible™

CE