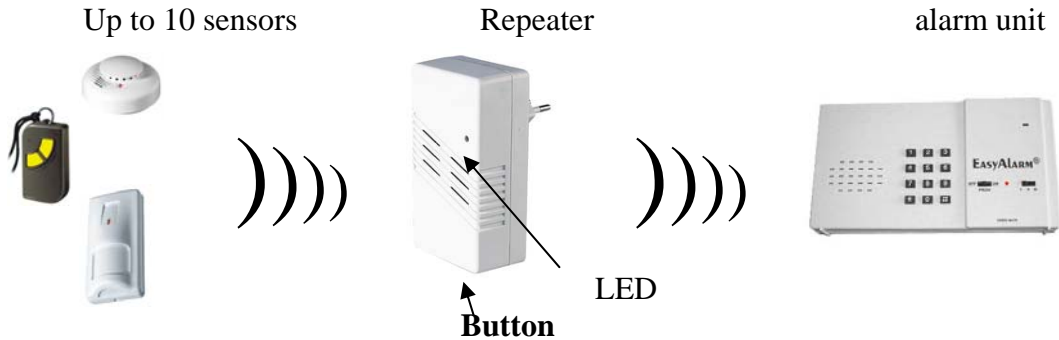


Repeater: EA-REP / EA-REP868

The repeater can expand the range for up to ten wireless detectors .



Learn-in sensors into repeater:

1. Press button on front of the box until the colour of the LED changes into red (about 5 second)
 ➡ **Confirmed with one beep**
2. Proceed learning-in process according to transmitter type (timeout after 2 minutes)
 - ➡ **One dual tone as soon as the transmitter is recognized => LED change into green (stand by)**
 - ➡ **Two dual tones as soon as the transmitter is recognized and a prior programmed entry get overwritten. *) => LED change into green (stand by)**
 - ➡ **3 beeps means no transmitter recognized within timeout => LED change into green (stand by)**
3. Repeat Item 1.and 2.for all emitters (max. memory 10 emitters)

Note:

*) If you try to learn-in more than 10 sensors, the “oldest” one will be replaced (first in -> first out)

Repeater test:

1. Press button on front of the box shortly
 ➡ **Confirmed with one beep**
2. If success learn-in within 2 minutes will have
 ➡ **One beep for every detected transmission (up to 8 beeps by very good reception)**

| LED indication | Status: remark |
|--------------------|---|
| Green *) | Stand by *) blinking: Mains power loss |
| Red | Register process |
| Red blinks shortly | Received detector signal is transferred to alarm unit |

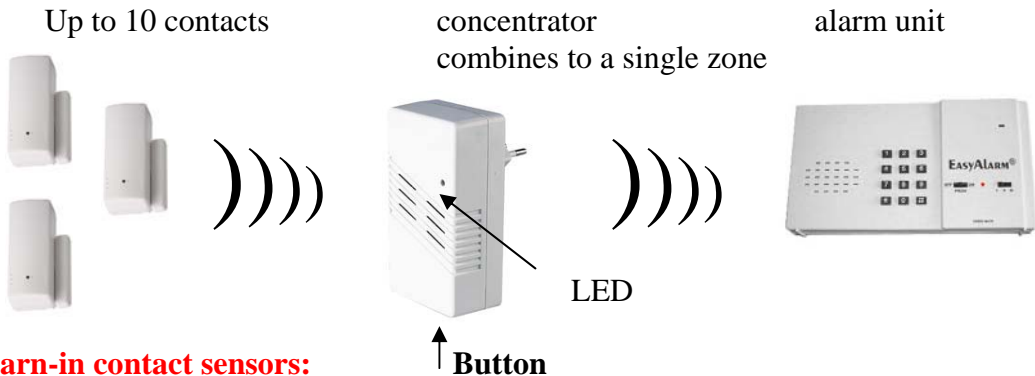
| Sensor | Location |
|--------|----------|
| *) | |
| | |
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| | |
| | |
| | |

Transcoder Rokonet 868MHz➡433MHz: EA-TCODE

- 1) Learn in 868MHz-sensor into transcoder same as Repeater EA-REP / EA-REP868
- 2) Learn in 868MHz-sensor into the alarm unit 433MHz
 - a. Prepare alarm unit according to user manual of alarm unit
 ➡ on position PROG enter ***<Zone><Sensor type>➡ press key *
 - b. Press button on front of the transcoder box shortly (test mode)
 ➡ **Confirmed with one beep**
 - c. Proceed learning-in process according to transmitter type (timeout after 2 minutes)
 ➡ **Alarm unit will acknowledged successful programming will be beep**

Concentrator: EA-CON / EA-CON868

The concentrator combines up to ten wireless contact sensors to a single alarm zone (e.g. instantaneous perimeter protection => type: extern). The zone will be reported as closed if all contacts are in the neutral position (LED green). If a contact is in alarm position the entire zone is deemed to be open (LED yellow). The status control (battery/supervision) of the detectors will also be concentrated, which means notification of a dysfunction occurs as soon as one detector is defective.



Learn-in contact sensors:

1. Press button on front of the box until the LED colour changes into red (about 5 second)
 ➡ **Confirmed with one beep**
2. According to emitter instruction guide, program within 2 minutes
 ➡ **One dual tone as soon as the transmitter is recognized => LED change into green (stand by)**
 ➡ **Two dual tones as soon as the transmitter is recognized and a prior programmed entry get overwritten. *) => LED change into green (stand by)**
 ➡ **3 beeps means no transmitter recognized within timeout => LED change into green (stand by)**
3. Repeat step 1. and 2. for all contacts (max. memory 10 sensors)

Notes:

*) If you try to learn-in more than 10 contacts, the “oldest” one will be replaced (first in -> first out)

Delete all contact zones (factory reset)

1. Press the button on front of unit until LED turns red (about 5 sec)
 ➡ **Confirmed with one beep**
2. Continue pressing button until LED changes to green (about 5sec)
 ➡ **Cyclic dual tone confirms factory reset**

Learn-in concentrator into alarm unit / functional test:

1. Prepare alarm unit for programming of zones
 Possible sensor function: 24h / intern / entry/exit / extern (with radio supervision every 65min)
2. Press button on front of the box briefly
 ➡ **Confirmed with one beep => concentrator sends its address code (LED blinks red briefly)**
3. Within two minutes programmed detectors are signal as follow:
 ➡ **One beep for every register emitter (up to 8 beeps by very good reception)**

| LED indication | Comment |
|-------------------|---|
| Green *) | Standby: all contact detectors in neutral position |
| Red *) | State of alarm: at least one contact detector is state of alarm or announce immediately |
| Red | Programming operation |
| Red blink shortly | Received detector signal is transferred to alarm unit |

*) Blink in cycles: a malfunction occurred

- a. At least one contact sensor had send low battery status => start functional test
- b. The radio-supervision (status) of at least one sensor is missing. Due to this problem the concentrator stops sending his status report, so after a while the alarm unit will announce “sensor error, zone n”
- c. Mains power loss on concentrator => Alarm unit announces “battery error, zone n”

Info-Module: SEC-INF

Info/Switch-Module: EA-SWI-WRL

The Info-Module signals the operating status of the alarm unit on a second location (e.g. Entry/Exit range). The changes in status (Arming/Disarming/Error/Entry-Exit-period) are acoustically acknowledged with audio signals and the operating status (Disarmed/Stay/Armed) is indicated with the Status-LED. In the case of an alarm (refer symbol 📞) the integrated siren is activated during the time of the telephone-connection. With the Info/Switch-Module a 230V-output can be activated from a distance during the telephone connection by DTMF 6 or deactivated by DTMF 4 => e.g. to activate floodlight.

Installation/Learn-in procedure

1. Plug in the Info/Switch-Module into 230V-mains socket
2. Slide *function switch* to PROG
3. Enter ***#1
 - ➔ **Announcement „Zone, to modify press star“**
4. Press black button on the lower edge of the housing for at least 5 seconds until the colour of the LED changes from green to red.
5. Press key *
 - ➔ **The Info/Switch acknowledges the learn-in signal with a beep and the Status-LED expires**
6. Slide *function switch* to OFF
7. Option EA-SWI-WRL (230V-Output): Plug load into the Euro-cord

Status indication during operation

| Alarm unit status | Signal | Status indication LED |
|-------------------|---|-----------------------|
| Disarm | 1xBeep | green |
| Error / Warning | Multi-tone => Error announcement through alarm unit! | green flashing |
| Stay | 1xBeep | yellow |
| Armed | 1xBeep | red |
| Alarm | Siren (Time-out: 2 Minutes) | red flashing |
| Entry/Exit delay | Beep every second | yellow flashing |

Note:

- If the Info/Switch was separate from the mains power and is again put in and/or after a mains failure the last status signal is audible and the status indicator flashes

Output (switch) during operation (only EA-SWI-WRL)

| Switch status | LED indication |
|--------------------|----------------|
| Inactive (open) | - |
| Activated (closed) | Red |

Notes:

- Output can be switch on/off during phone connection by pressing DTMF 6/4.
- The switch can be toggled by pressing the button on the lower edge of the housing.
- The switch remains in his last position even after a mains-loss.



↑ Butto

Specification

Supply voltage: 230VAC+-10% / 50Hz
 Current consumption: 10mA without switch activated
 Switch (Optional): 230VAC, max. 2.5A on Euro-jack
 Dimension: 120x65x77mm
 Weight: 220g (+180g Option SWITCH)

Declaration of Conformity

According to the R&TTE Directive 1999/5/EC of 09.March 1999

Manufacturer's Name: Leitronic AG
Manufacturer's Address: Engelloostrasse 16
CH-5621 Zufikon
Switzerland

declares that the product

Product Name: EA-INF-WRL / EA-SWI-WRL
SEC-INF / SEC-SWI

conforms to the following product specifications:

Safety (R&TTE, Article 3.1a): EN60950: 1992+A1+A2+A3+A4+A11:1992-1997

EMC (R&TTE, Article 3.1b): EN 50081-1, 1992
EN 50082-1, 1997 Class B

Radio spectrum: EN 300 220-3:2000; TBR 021:1998
ETS 300 683
ETS 301489-03:2000

Supplementary Information

The product herewith complies with the requirements of the following Directives and carries the **CE** marking accordingly:

the EMC directive 89/336/EEG
the Low Voltage Directive 93/68/EEC



Zufikon, 1. February 2010

Silvan Tognella

9. February 2010 / TOG