INT-CR

Proximity card arm/disarm device

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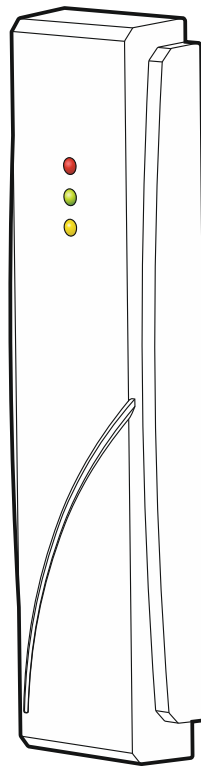
IMPORTANT

The device should be installed by qualified personnel.

Prior to installation, please read carefully this manual.

Changes, modifications or repairs not authorized by the manufacturer shall void your rights under the warranty.

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The following symbols may be used in this manual:

i - note,

⚠ - caution.

CONTENTS

The INT-CR device is designed for arming / disarming partitions as well as clearing alarms using proximity cards. The device is compatible with the INTEGRA (firmware version 1.07 or newer) / INTEGRA Plus / VERSA / VERSA Plus / VERSA IP control panels.

1. Features

- Partition control using proximity cards.
- Support for cards, tags and other 125 kHz passive transponders.
- Three LED indicators.
- Built-in sounder.
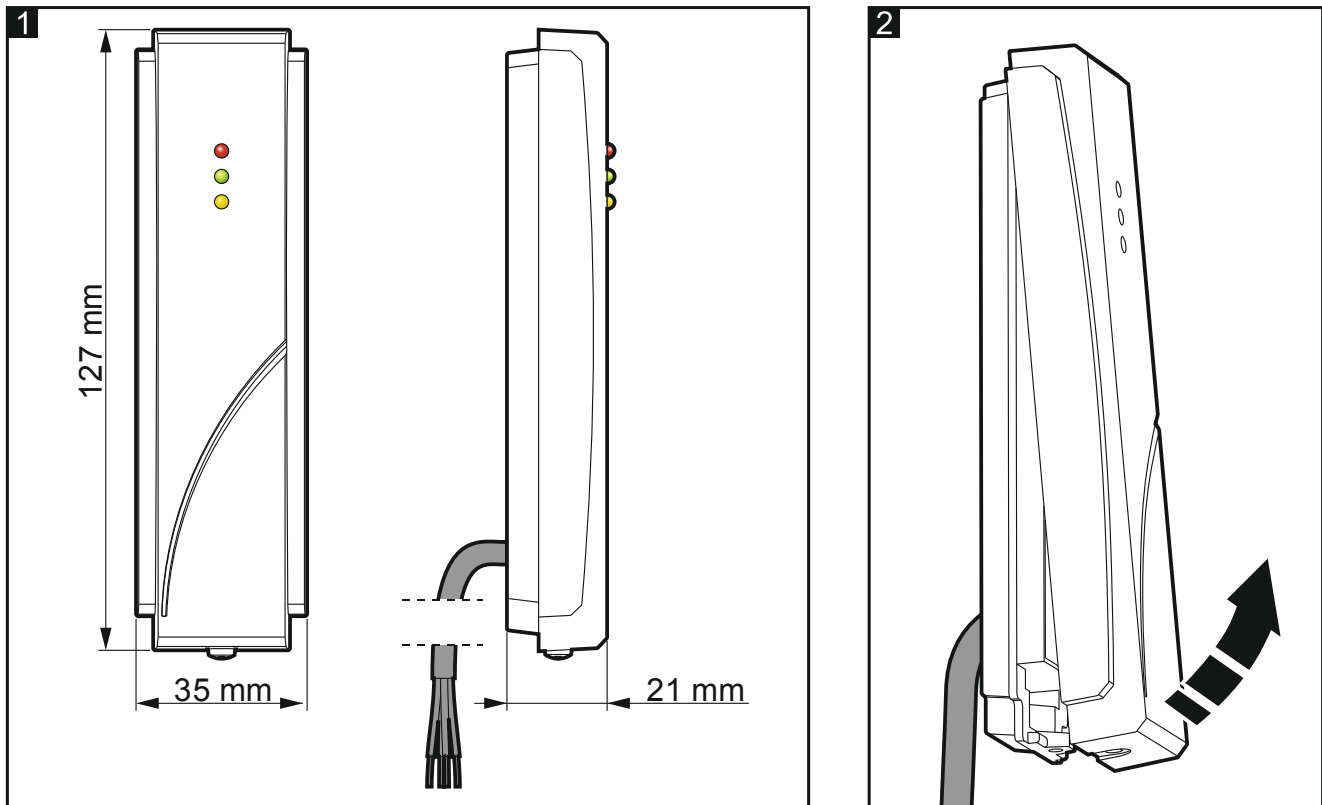
2. Installation

⚠️ **Disconnect power before making any electrical connections.**

The device is designed for indoor installation.

ℹ️ *If the device is installed on a metal surface, the card reading range will be reduced.*

The distance to another device with proximity card reader should be at least 50 centimeters.

If you need an extra cable to make the connections, use an unshielded non-twisted cable. If you use the twisted-pair type of cable, remember that CLK (clock) and DTA (data) signals must not be sent through one twisted pair. The distance between the device and the control panel can be up to 1000 meters (INTEGRA / INTEGRA Plus) / 600 meters (VERSA / VERSA Plus / VERSA IP).

1. Remove the device cover (Fig. 2).
2. Place the enclosure base against the wall and mark the location of mounting holes.

3. Drill holes for wall plugs (anchors) in the wall.

4. Make a hole in the wall for the device cable and run the cable through it.

5. Using wall plugs (anchors) and screws, secure the enclosure base to the wall. Select wall plugs specifically intended for the mounting surface (different for concrete or brick wall, different for plaster wall, etc.).

6. Set the device address (see "Address setting").

7. Replace the cover and secure it with the screw.

8. Connect the wires to the control panel screw terminals according to the table below. If the distance to the control panel exceeds 300 meters, use an additional power supply to power the device.

Wire	Description	Terminals	
		INTEGRA / INTEGRA Plus	VERSA / VERSA Plus / VERSA IP
brown	power	+EX / +EX1 / +EX2	AUX / KPD
white	common ground	COM	COM
gray	clock	CK / CK1 / CK2	CLK
green	data	DT / DT1 / DT2	DTA

9. Power on the alarm system.

10. Start the identification function in the control panel (see the control panel installer manual). The device will be identified as INT-IT.

2.1 Address setting

An individual address (different from that in the other devices connected to the control panel bus) must be set in the device. Depending on the control panel:

• INTEGRA / INTEGRA Plus: set an address in the range from 0 to 31,

• VERSA / VERSA Plus / VERSA IP: set an address in the range from 16 to 21.

To set the address, use the DIP switches on the device electronics board. The switches have numbers assigned to them. The number for OFF position is 0. The numbers assigned to the switches in ON position are presented in the table below. The sum of these numbers is the address set.

Switch (ON position)	1	2	3	4	5
Number	1	2	4	8	16

3. Configuring

The device settings you can configure using DLOADX program or LCD keypad. Names of parameters and options from the DLOADX program are used in this manual. Shown in square brackets at the description of a parameter or option is the name presented on the display of the keypad.

3.1 Settings of the device connected to the INTEGRA / INTEGRA Plus control panel
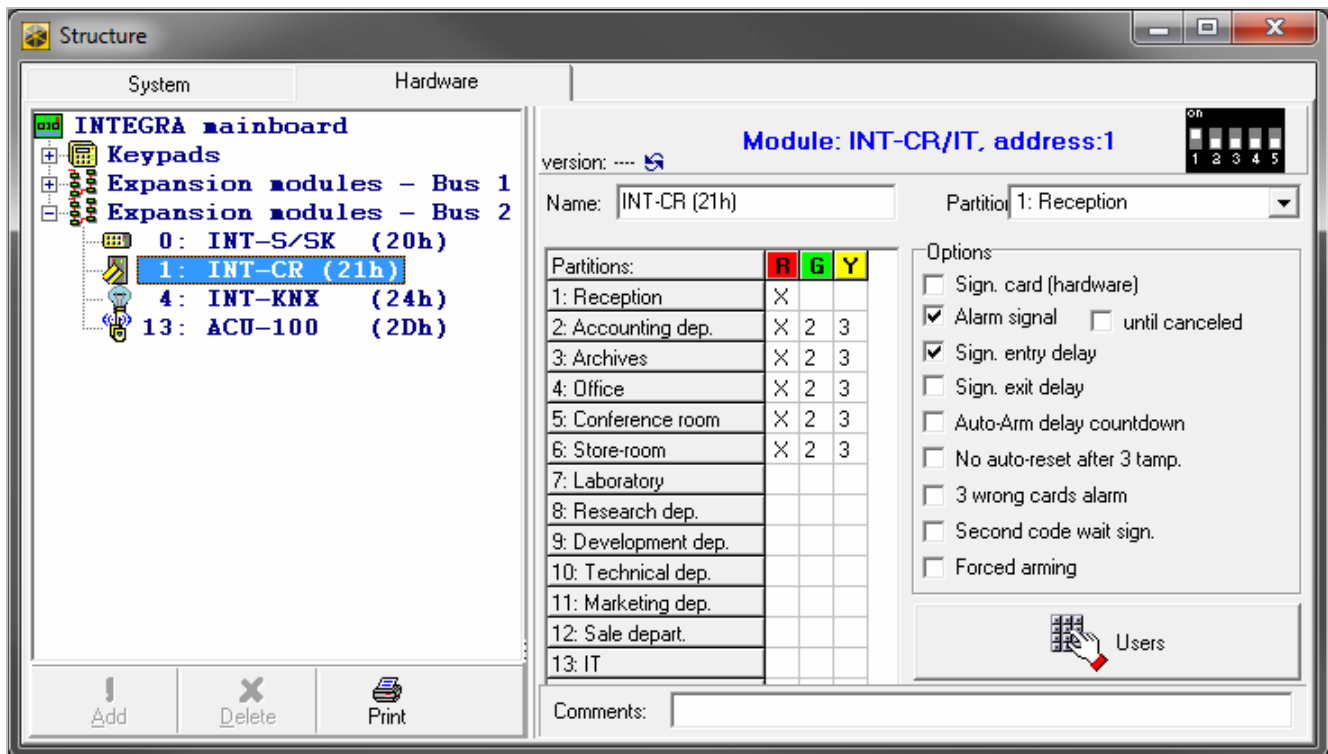
Name – individual name of the device (up to 16 characters).

Partition [Tamper in part.] – the partition in which tamper alarm will be triggered in the event of disconnection of the device from the control panel.

Partition list

R [Partit. LED R] – the function to be run in the partition, if the card is moved away from the device when the red LED is ON:

X [▦] – full arming,

blank field [·] – none.

G [Partit. LED G] – the function to be run in the partition, if the card is moved away from the device when the green LED is ON (mode A):

1 – full arming,

2 – arming without interior,

3 – arming without interior and without entry delay,

blank field [·] – none.

Y [Partit. LED Y] – the function to be run in the partition, if the card is moved away from the device when the yellow LED is ON (mode B):

1 – full arming,

2 – arming without interior,

3 – arming without interior and without entry delay,

blank field [·] – none.

Options

Sign. card (hardware) [Hardw.signal.] – if the option is enabled, the device will signal with a single beep that a card code has been read or a LED has come on. This signaling is useful, because the card code is sent to the control panel after moving the card away from

the device and only then the device will inform the user audibly about the control panel response to using the card.

Alarm signal [Alarm (time)] – if the option is enabled, the device will audibly signal alarms throughout the "Global alarm time" (parameter programmed in the control panel).

until canceled [Alarm (latch)] – if the option is enabled, the device will audibly signal alarms until they are cleared.

Sign. entry delay [Entry delay] – if the option is enabled, the device will audibly signal the entry delay countdown.

Sign. exit delay [Exit delay] – if the option is enabled, the device will audibly signal the exit delay countdown.

Auto-Arm delay countdown [Auto-arm delay] – if the option is enabled, the device will audibly signal the auto-arm delay countdown.

No auto-reset after 3 tamp. [No autorst.3t.] – if the option is enabled, the feature reducing the number of tamper alarms from the device to three is disabled (the feature prevents multiple logging of the same events and applies to successive uncleared alarms).

3 wrong cards alarm [Al.3 unk.cards] – if the option is enabled, using an unknown card three times will trigger an alarm.

Second code wait sign. [INT-IT-wt.2cd.] – if the option is enabled, the device will signal that it is waiting for the second card to be presented (if using two cards is required for arming/disarming). This is a global option, i.e. enabling it on any device enables it on all devices.

Forced arming [Force arm] – if the option is enabled, the partitions will be armed even if there are violated zones or troubles.

Users [Master users / Users] – the administrators and users which are permitted to use the device.

3.2 Settings of the device connected to the VERSA / VERSA Plus / VERSA IP control panel
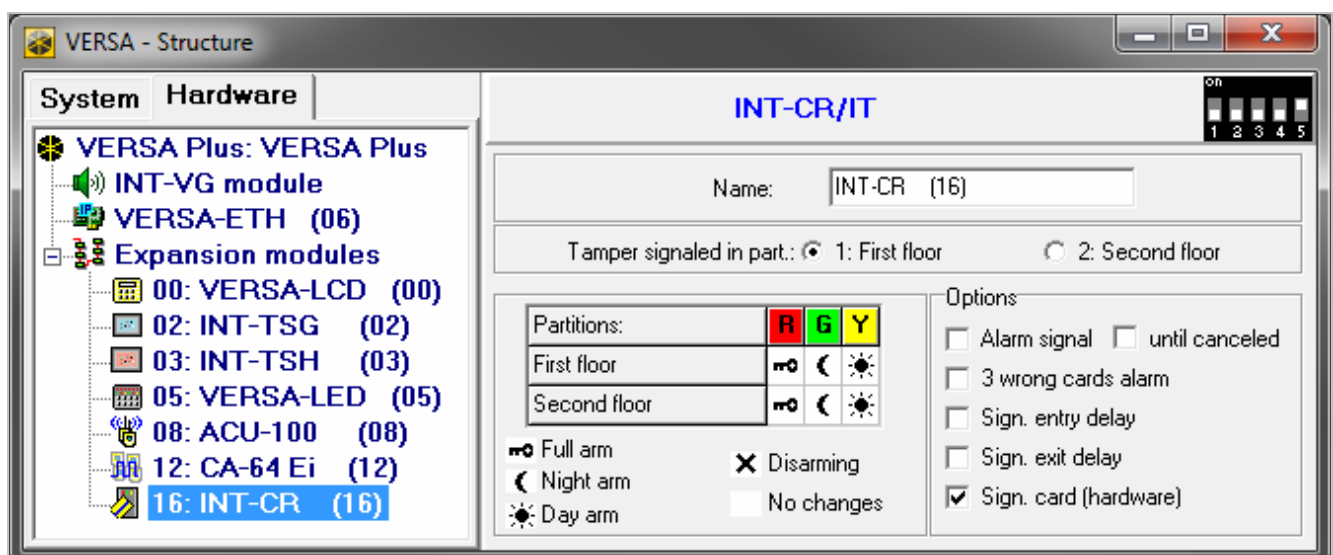
Name – individual name of the device (up to 16 characters).

Tamper signaled in part. [Tamper in p.] – the partition in which tamper alarm will be triggered in the event of disconnection of the device from the control panel.

Partition list

R [LED R – part.1 / LED R – part.2] – the function to be run in the partition, if the card is moved away from the device when the red LED is ON:

   ⚫ [Full arm] – full arming,

   blank field [Does not arm] – none.

G [LED G – part.1 / LED G – part.2] – the function to be run in the partition, if the card is moved away from the device when the green LED is ON (mode A):

   ⚫ [Full arm] – full arming,

   ☾ [Stay night arm] – night arming,

   ☀ [Stay day arm] – day arming,

   ✗ [Disarm] – disarming,

   blank field [Does not arm] – none.

Y [LED Y – part.1 / LED Y – part.2] – the function to be run in the partition, if the card is moved away from the device when the yellow LED is ON (mode B):

   ⚫ [Full arm] – full arming,

   ☾ [Stay night arm] – night arming,

   ☀ [Stay day arm] – day arming,

   ✗ [Disarm] – disarming,

   blank field [Does not arm] – none.

Options

Alarm signal [Timed alarm sign] – if the option is enabled, the device will audibly signal alarms throughout the "Keypad's alarm time" (parameter programmed in the control panel).

until canceled [Alm.until clear] – if the option is enabled, the device will audibly signal alarms until they are cleared.

**3 wrong cards alarm** [3 wrng cards al.] – if the option is enabled, using an unknown card three times will trigger an alarm.

Sign. entry delay [Entry delay sig.] – if the option is enabled, the device will audibly signal the entry delay countdown.

Sign. exit delay [Exit delay sign.] – if the option is enabled, the device will audibly signal the exit delay countdown.

Sign. card (hardware) [Hardware signal.] – if the option is enabled, the device will signal with a single beep that a card code has been read or a LED has come on. This signaling is useful, because the card code is sent to the control panel after moving the card away from the device and only then the device will inform the user audibly about the control panel response to using the card.

4. Using

Using the proximity card you can:

- fully arm the partitions,
- arm the partitions in mode A or B (the partitions can be set to different arming modes),
- disarm the partitions,
- clear alarm.

When configuring the device, the installer defines which partitions will be controlled by the device. The user can only control the partitions to which he has access.

i *In the INTEGRA / INTEGRA Plus alarm system, you cannot switch between the partition arming modes. You must disarm the partition first and only then set it to another arming mode.*

Full arming

1. Present the card to the device and hold up until the red LED comes on.
2. Remove the card from the device.

Arming the system in mode A

1. Present the card to the device and hold up until the green LED comes on.
2. Remove the card from the device.

Arming the system in mode B

1. Present the card to the device and hold up until the yellow LED comes on.
2. Remove the card from the device.

Disarming / alarm clearing

Present the card to the device and move it away after about half a second.

4.1 Signaling by means of LEDs

Signaling on holding the card

If the card is presented to the device, one of the three LEDs can be ON.

Red LED is ON – after removal of the card, the partitions will be fully armed.

Green LED is ON – after removal of the card, the partitions will be armed in A mode.

Yellow LED is ON – after removal of the card, the partitions will be armed in B mode.

State signaling

If no card is presented to the device, the LEDs indicate the state of partitions controlled by the device or the device state.

LEDs are OFF – no partition is armed, no alarm.

Red LED only is ON – the partitions are fully armed.

Red and green LEDs are ON – the partitions are armed in mode A.

Red and yellow LEDs are ON – the partitions are armed in mode B.

Red LED is ON, going OFF briefly, the other LEDs are OFF – at least one partition is armed.

Red LED comes ON every 2 seconds, the other LEDs are OFF – alarm or alarm memory, when none of the partitions is armed.

Red LED is flashing slowly – alarm or alarm memory, when at least one partition is armed.

Red and yellow LEDs are flashing alternately [INTEGRA / INTEGRA Plus alarm system] – the device is waiting for the second card to be used (using two cards is required for arming/disarming).

Yellow, green and red LEDs are flashing in succession – no communication with the alarm control panel.

4.2 Sound signaling

Beeps generated when operating

1 short beep – card code read / LED coming ON.

2 short beeps [INTEGRA / INTEGRA Plus alarm system] – the device is waiting for the second card to be used (using two cards is required for arming/disarming).

3 short beeps – function has started.

2 long beeps – unknown card.

3 long beeps – function not available (the user has no appropriate rights; no partitions for disarming or clearing alarm, etc.).

Event signaling

i | *The installer defines whether events are to be signaled audibly.*

Long beep every 3 seconds, followed by a series of short beeps for 10 seconds and 1 long beep – countdown of exit delay (if the time is shorter than 10 seconds, only the final sequence of short beeps will be generated).

A sequence of 7 beeps of diminishing duration, repeated every few seconds – countdown of auto-arming delay.

2 short beeps every seconds – countdown of entry delay.

Continuous beep – alarm.

Long beep every 2 seconds – alarm memory.

Long beep every second – fire alarm.

Short beep every 2 seconds – fire alarm memory.

5. Specifications

Supply voltage .... 12 V DC ±15%

Standby current consumption ....65 mA

Maximum current consumption ....75 mA

Reader transmit frequency...125 kHz

Supported card standards.............................. UNIQUE, EM4001, EM4002, EM4003, EM4102

Environmental class according to EN50130-5 II

Operating temperature range...-10°C...+55°C

Maximum humidity ....93±3%

Dimensions .... 35 x 127 x 21 mm

Weight.. 140 g