

Divisione ELCO S.r.l.	USER'S MANUAL INFRARED KEYPAD NOTE_BOX_010 <i>File: MN018101 INGL.</i>	DATE 12.10.11	SHEET 1/8
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INFRARED KEYPAD

NOTE_BOX_010

USER'S MANUAL

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NORMS AND GENERAL WARNINGS

- This Manual is an integral and essential part of the product. Please read carefully the instructions contained since they provide important information about safety in installation, use and maintenance.
- This equipment shall only be destined to the use it was expressly designed for . Any other use is to be considered incorrect and therefore dangerous.
- Divisione ELCO srl shall be responsible of this equipment in its original configuration. Any action that modifies the structure or the operating cycle of this equipment shall be carried out or by the Technical Department of Divisione Elco srl or under their explicit authorisation.
- Divisione Elco srl shall not be held responsible for the consequences resulting from the use of non-original spare parts.
- Any repair shall be carried out by the authorised department of Divisione Elco srl. The Manufacturer shall not guarantee any repair carried out outside this department.
- The contents of this Manual are subject to modifications at any moment as it might be required and without prior notice from the Divisione ELCO srl. If typing errors or any other errors are found, the rectification will be included in the new releases.
- Tampering or modifications or repairs by unqualified personnel are not allowed.
Divisione ELCO srl does not guarantee against any risks deriving from incorrect use of their products or from the installation, use and maintenance carried out by unqualified personnel.
- The infrared Keypad must be closed through its own screws without presenting not protected electrical parts.



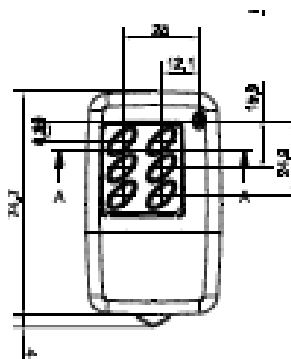
WARNING!

The described product is supplied with a lithium botton 3V not rechargeable CR2477N battery. Batteries once changed must not be dispersed in the environment because pollutants: put them in the propoer recycling box. Contact with exhausted batteries can be dangerous. Handle with care during substitution. Linked risks are limited if every safety measures are used.

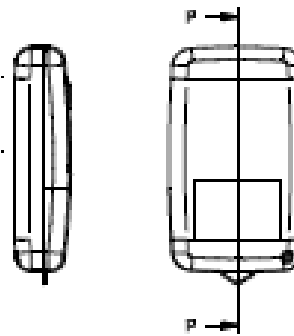
Nota Bene

In optimal conditions (with favourable light, few direct or indirect solar light, few solar /neon light reflexions, with a low incidence corner, with full charge keypad batteries, the distance between keypad and device can go farther than 2mt.

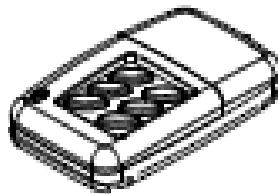
KEYPAD EXTERNAL DESCRIPTION



Front sight



Side and back sight



High side

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OPERATIVE FUNCTIONS

Basic operations are the following:

- Requested function manual / automatic
- Up / Down manual lifting
- Forward / Backward manual running
- Manual brake release if permitted
- Average restoring process

Each listed function, to result operating, should be permitted in the receiving device. For example, if the receiving device hasn't the brake release function, the request is received but the command is not executed.

IMPORTANT!

- **Point the keypad towards the display of the box you'd like to communicate with! The led is in the superior part of it.**
- **Every command is given by maintaining the key pressed. The specific command works till you press it.**

Box address

This keypad hasn't the addressing modality. Every transmission are broadcast.



WARNING!

Broadcast transmission is received by every active receiver present in the keypad area. If in MANUAL modality, commands transmitted are followed by every receiving device!

To avoid undesired movements, put in manual modality one box at a time!

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Requested manual / automatic function - Key M/A

Through this key you can choose how the box must behave; if the box is in Manual you can ask the box to work in Automatic. As you press the key, for the first 2 seconds the box receives the request to work in manual, after this short time the request is for the Automatic functioning.

Request for restore / release brake function - Key R/BR

Through this key you can send the request of receiving box restore or the request of releasing brake function (if possible).

As you press the key, for the first 2 seconds the box receives the request of restoring operation; after this short time you send the request of releasing brake.

Request for forward running - key →

The use of this key let you ask for the forward running of the receiving box. This kind of request has effect only when the box is in Manual modality. The key must be kept pressed.

Request for backward running - key ←

The use of this key let you ask for the backward running of the receiving box. This kind of request has effect only when the box is in Manual modality. The key must be kept pressed.

Request for downward movement _ key ↓

The use of this key let you ask for the descent movement of the receiving box. This kind of request has effect only when the box is in Manual modality. The key must be kept pressed.

Request for upward movement _ key ↑

The use of this key let you ask for the upward movement of the receiving box. This kind of request has effect only when the box is in Manual modality. The key must be kept pressed.

Signal Led

In order to check the transmission and the battery charge, we've foreseen a led on the foreside of the keypad (upper right part).

During the infrared transmission (through the pression of whichever key) the led gives green flashing signals if the battery charge is considered still sufficient by the electronic inside center, or gives red flashing signals when not. The minimum requested battery charge for the keypad functioning is about

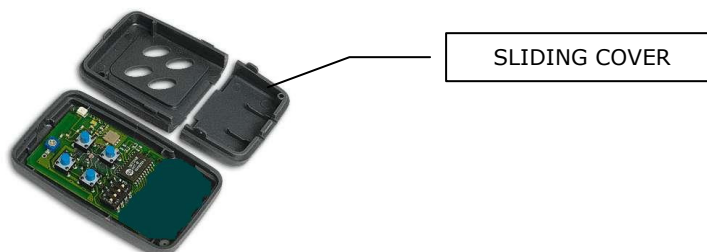
<p style="text-align: center;">Divisione ELCO S.r.l.</p>	<p style="text-align: center;">USER'S MANUAL INFRARED KEYPAD NOTE_BOX_010 <i>File: MN018101 INGL.</i></p>	<p style="text-align: center;">DATE 12.10.11</p>	<p style="text-align: center;">SHEET 7/8</p>
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2,2V. In this case it's possible going on to use the same battery till the same begins to limit its functioning and performances. When the led is off it's necessary to substitute the battery. To increase the lasting time of it, when no key is pressed, the keypad works in a stand-by status with lower consumption. With pression of one of the keys, the keypad goes back to the normal function operativity.

Battery substitution

To substitute the battery, please follow these following steps:

1. Keep off the screw on the inferior side of the keypad
2. With a light pressure on the side of the box, slide the slipcover towards the external side.
3. Keep off the battery without using any metallic tools. The battery is inserted through pressure in a fitting site for this kind of component without hooks or little metallic tongues which needs to be removed.
4. Insert a similar battery, of the same kind and same voltage, in the correct sense. The battery must go in its fitting site with a little pressure but without any other forcing acts.
5. Close the slipcover of the littel box, sliding this last towards the central body of the keypad.
6. Mount again the metallic blocking screw.



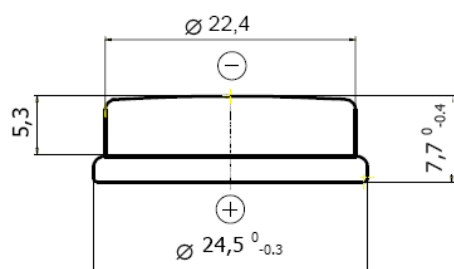
WARNING!

During the substitution of the battery, after keeping off the little screw, the box (made up of two independent parts) can be completely opened. Once opened, the keycovers are free and no more stopped in their original fitting site. So pay attention not to lose these keycovers and the other free little parts!

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Description of the botton used battery

Dimensions



Technical Data Sheet

Specifications

Chemical System	Li/MnO ₂
Nominal Voltage	3 V
Rated Capacity	950 mAh
Standard Discharge Current	1.0 mA
Max. Cont. Discharge Current	2.5 mA
Average Weight	8.3 g
Temperature Range	-30 - +70 °C
Self Discharge at 25 °C	< 1% / year