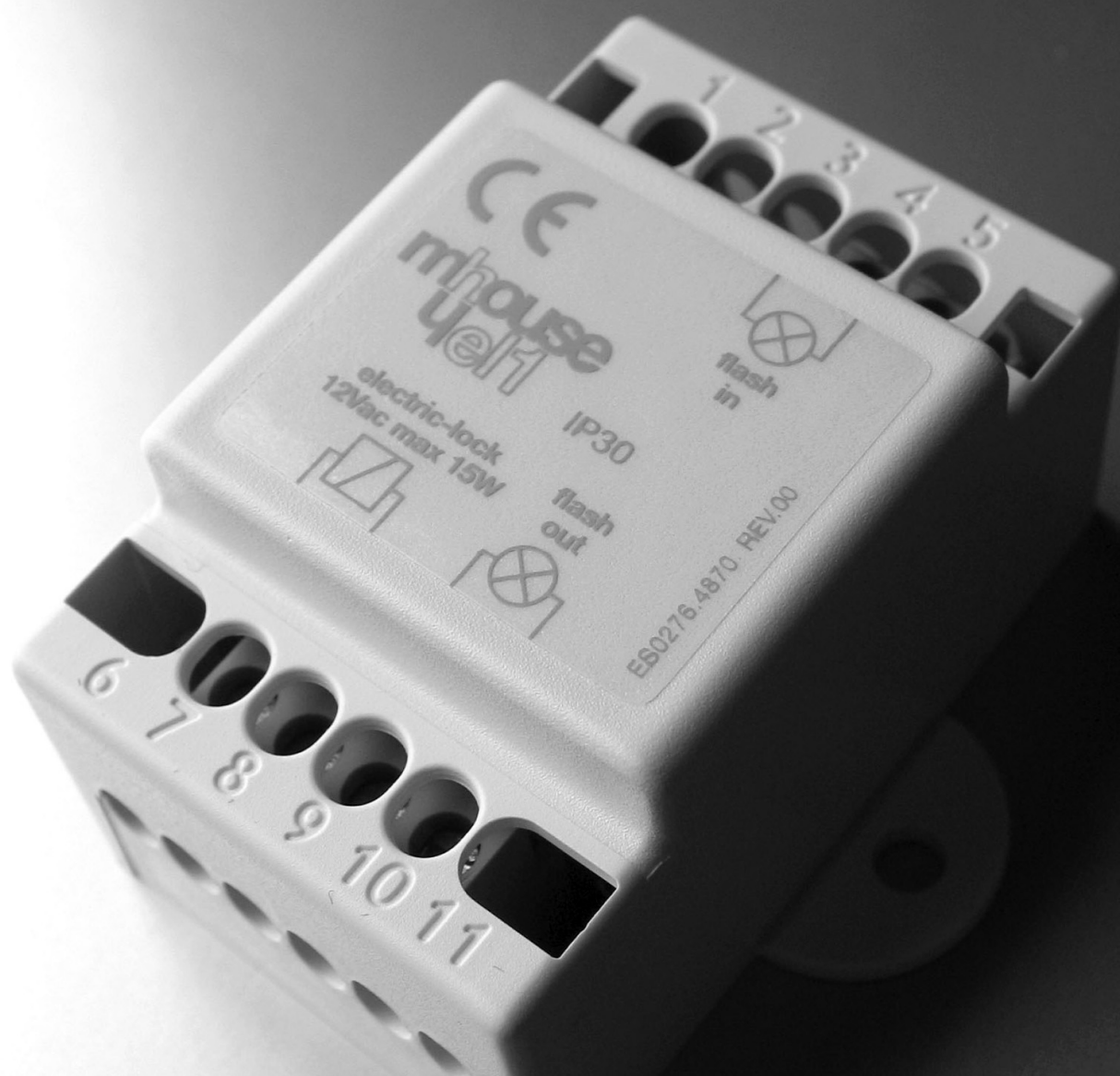


EL1

electronic
lock interface

Installation instructions
and warnings

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"EL1" Electronic lock interface

Warning

- The installation, test and commissioning of door and gate automations must be performed by qualified and experienced personnel who must establish which tests to conduct based on the risks involved, and verify the compliance with the applicable regulations, legislation and standards.
- MHOUSE disclaims liability for any damage resulting from uses of the product other than those described in this manual.
- The packing materials must be disposed of in compliance with local regulations.
- EL1 interface must never be immersed in water or other liquids. In the event that liquid substances have penetrated inside the device, immediately disconnect the power supply and contact the MHOUSE customer service department; the use of EL1 in these conditions can be dangerous.
- Keep EL1 interface away from heat sources and open flames; these could damage the components and cause malfunctions, fire or dangerous situations.

Product description and applications

Electronic locks fitted on swing gate automatisms can be activated by means of the EL1 device.

Warning. The EL1 device is only compatible with:

1. Initial release type electronic locks (single command impulse at the beginning of the opening manoeuvre), with a maximum power supply of 12 Vac 15 VA
2. Mhouse control units having the "EL1" indication on the FLASH output.

Installation

Warning: all installation operations are performed with the system disconnected from the power supply; disconnect the PR1 buffer battery if present.

1. Because the EL1 device is not protected against the rain or the infiltration of other liquids, it must be fitted inside the CL2 control unit or in a protected location.
2. Following the manufacturers instructions, install the electronic lock on the leaf that is operated by motor No. 2.
3. Following the indications in table 1, connect the EL1 interface as shown in Fig. 1. The polarity does not need to be respected when making the connections.

Table 1

Connection	Cable type	Maximum length allowed
Control unit	2x1mm ² Cable	1 m
Flash	2x0,5mm ² Cable	20 m
EL1	2x1mm ² Cable	20 m

Warning : the cables used must be suitable for the type of installation; for example, an H03VV-F type cable is recommended for indoor applications, while H07RN-F is suitable for outdoor applications.

Technical characteristics

EL1 is produced by NICE S.p.a. (TV) I, MHOUSE S.r.l. is an affiliate of the NICE S.p.a. group. Nice S.p.a., in order to improve its products, reserves the right to modify their technical characteristics at any time without prior notice. In any case, the manufacturer guarantees their functionality and fitness for the intended purposes. Note: all technical specifications refer to a temperature of 20°C.

Type: electronic lock activation control interface

Flashing light output: For indicator lights with 12V, max. 21W bulb.

Electronic lock output: 12 Vac, max. 15 VA

Electronic lock activation time: approx. 2 s.

Maximum cable length: See Table 1.

Operating ambient temperature: -20 ÷ 50°C

Use in acid, saline or potentially explosive atmosphere: No.

4. Replace the Mhouse CL2 control unit fuse [A] (2A type T) in Fig. 2 with the one supplied with the EL1 interface (3.15 A type F).
5. Stick the "3.15A F" label, which is supplied with the interface, on top of the 2A type T label of the CL2 control unit.

Recognition

After the EL1 device has been installed it must be recognised by the control unit; the operation takes place by performing the recognition of the leaf opening and closing angles in the following manner:

1. Release the motors with the appropriate key, place the leafs in a half open position so that they are free to open and close, then block the motors.
2. To start the recognition of the opening and closing angles, push and hold the P3 button [B] on the control unit as in Fig. 3.
3. Release the button after the leafs have closed and have started their opening phase.
4. Wait until the angles recognition manoeuvre (leafs closing, opening and closing) has finished correctly (Led [A] in Fig. 3 off)

The EL1 interface has now been recognised.

Operating checks and test

With the gate closed, perform an opening manoeuvre with the selector or radio transmitter, and check that the electronic lock activates for approximately 2 seconds at the beginning of the manoeuvre, thereby allowing the normal opening of the leaf; the indicator light remains on during the 2 second interval.

Maintenance and Disposal

EL1 interface needs no particular maintenance.

Warning: some electronic components may contain polluting substances; do not pollute the environment. Enquire about the recycling or disposal systems of EL1 available in compliance with regulations locally in force.

Installation and connections: Installation in the control unit or gear-motor.

Protection class: IP30.

Dimensions and weight: 60x59x422 with flaps, 60x38x422 without flaps/ 50 g.

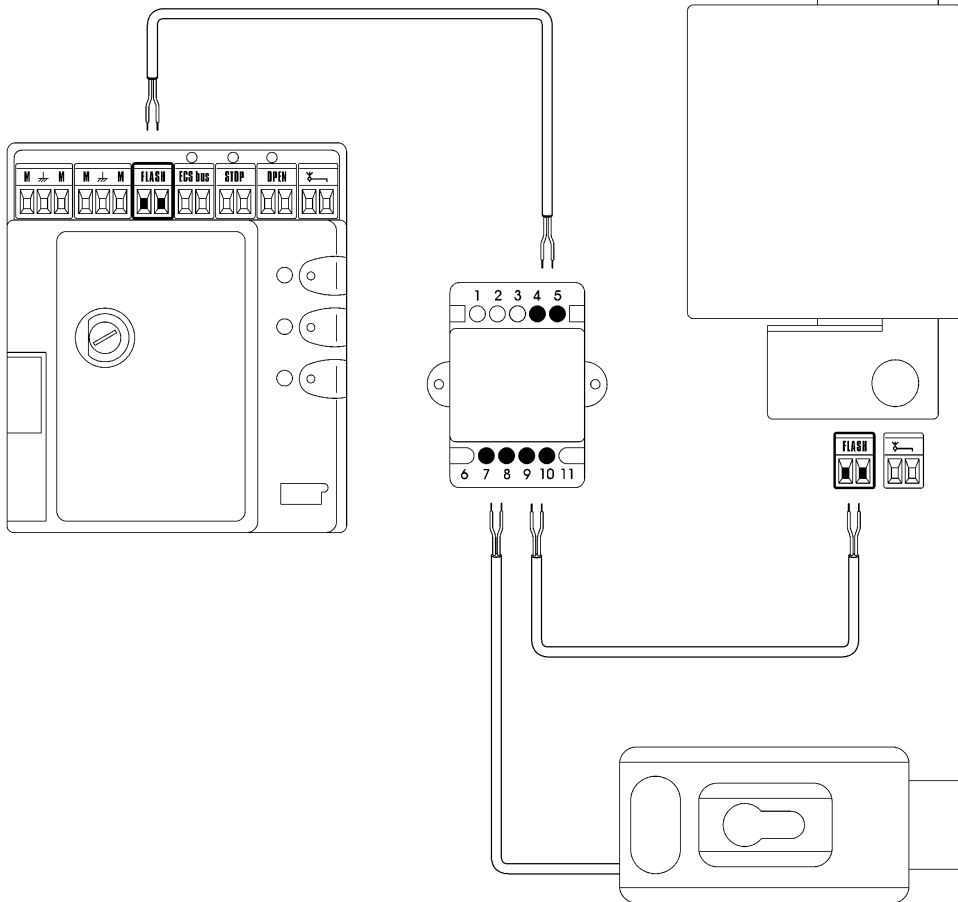


Fig. 1

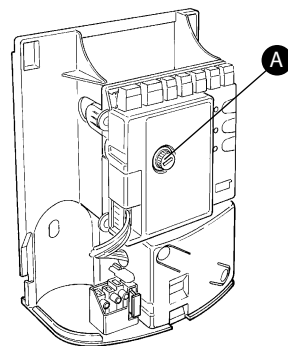


Fig. 2

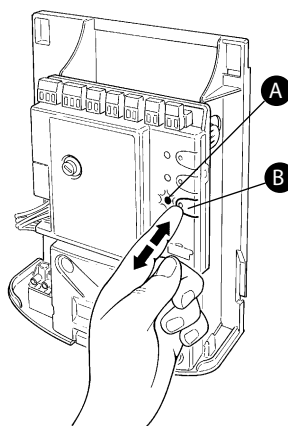


Fig. 3

Downee

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