# x1R Easy

## ISEO Zero1
ELECTRONIC SOLUTIONS

## INDEX

## 1. CODES

LEGEND:
**S** = piston protrusion
**I** = piston centres
**CP** = product code
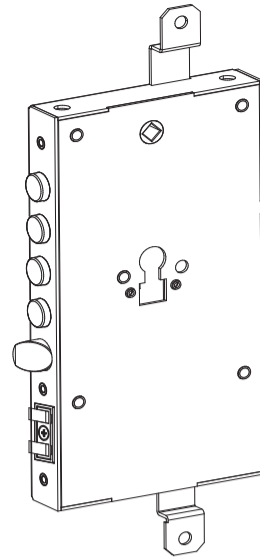


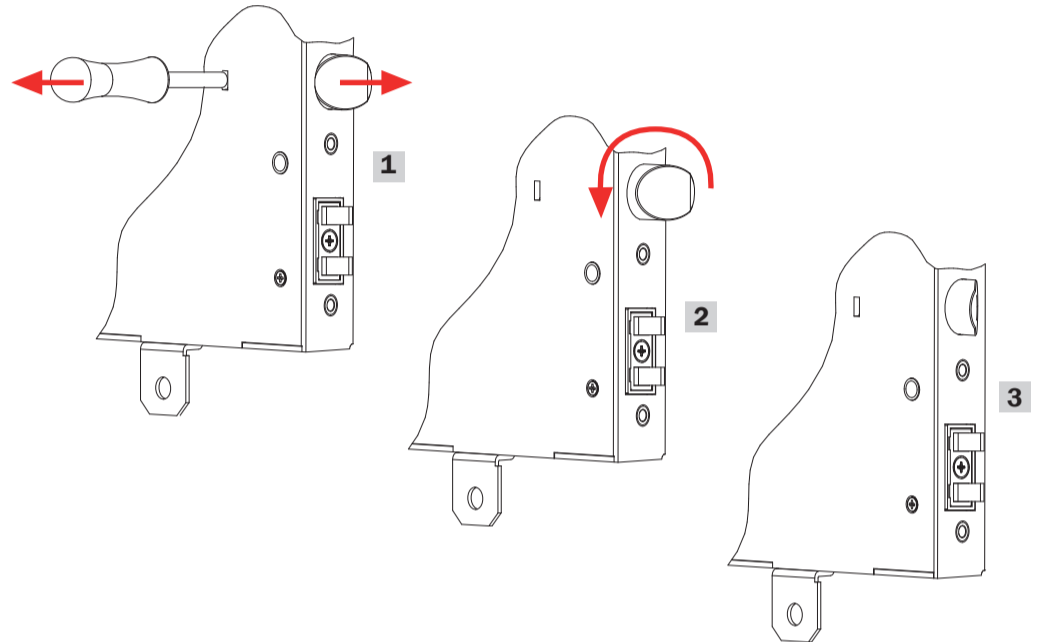| S | I | CP |
|---|---|---|
| 3 | 28 | 0698.0328 |
| 13 | 28 | 0698.1328 |
| 3 | 37 | 0698.0337 |
| 13 | 37 | 0698.1337 |

| S | I | CP |
|---|---|---|
| 0 | 28 | 0698.0028 |
| 0 | 37 | 0698.0037 |
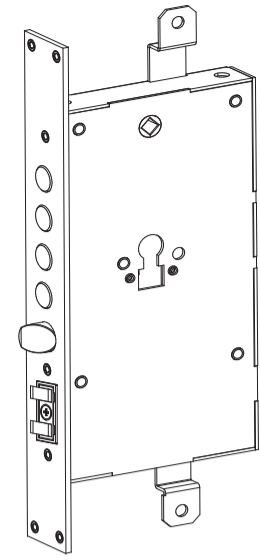
## 2. DIMENSIONS
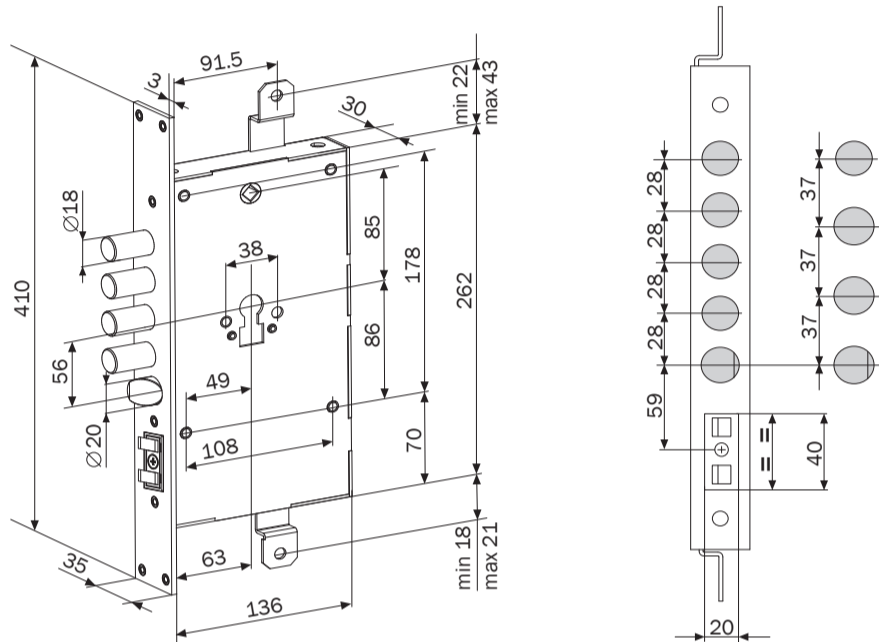


## 3. REVERSIBILITY OF THE LATCH



## 4. REVERSIBILITY OF THE DOOR CONTACTS



⚠️

Additional lubrication of any kind is forbidden.

If needed just clean the door contacts using ethyl alcohol.

## 5. FIXING THE CYLINDER



min 39.3 max 39.6
min 6.2 max 6.6

⚠️ The x1R Easy lockworks correctly when using cylinders with standardised profile cams of the size indicated here.

⚠️ When used with cylinder with knobs, make sure that after the cylinder has been turned the cam does not remain engaged, which will cause the motor to rotate in neutral.

## 6. INSTALLATION'S EXAMPLES



**Installation with alkaline batteries**

plates (external and internal)
plate cable (supplied)
x1R Easy
remote button cable (supplied)
door contact
power supply cable supplied
alkaline battery housing

**Installation with rechargeable batteries**

x1R Easy
battery charger
12 Vac white wires
trasformer 12 Vac
230 Vac power supply
rechargable battery housing

**Installation with power supply**

x1R Easy
door contact
remote opening button cable (button not supplied)
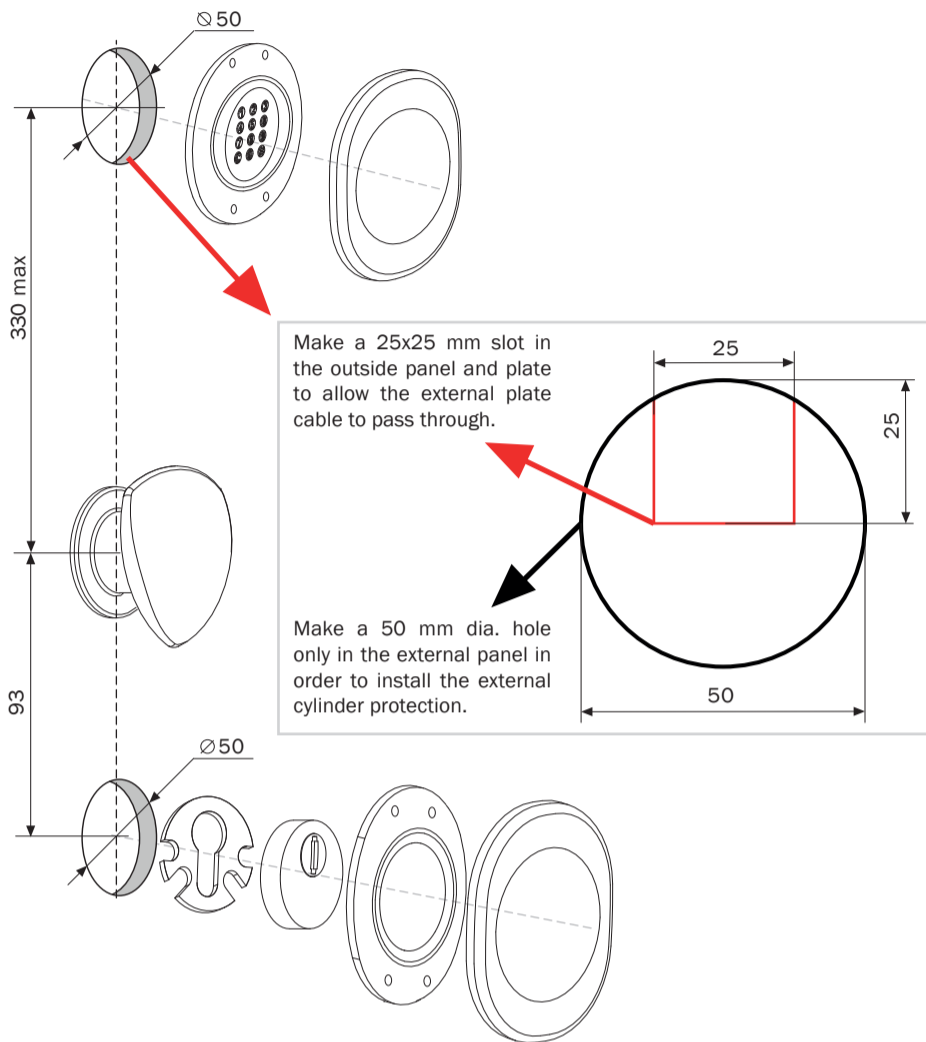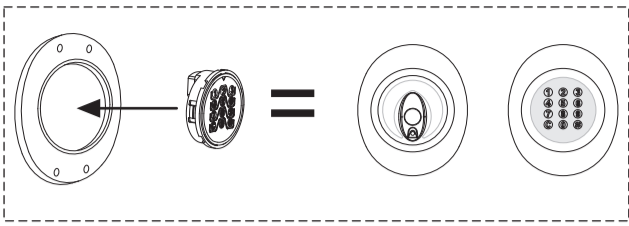230 Vac power supply
7÷14VDC 3A feeder

## 7. WARNINGS

⚠️

♻ CE

- When using the cable for the "remote opening button" use a cable gland to allow the cables to pass through the hinge side of the door.

- Do not connect the opening button input (black/brown wires) directly to power supply sources.

- If the distance between the remote opening button and the door is more than 5 meters, use a relay (normally open common contact) positioned near the lock and not more than 5 meters from it.

- Do not work on the door with the lock installed in order to prevent wood or metal residue getting into the lock.

- Do not connect power supplies other than the FIAM battery charger to the door contact. The lock can be powered directly (7÷14VDC 3A) only from the connector side.

- When using a feeder as a direct power supply source (7÷14VDC 3A), fit a cable gland to allow the cable to pass through the hinge side of the door.

- The product can be destined only for the use for qhich it was expressly made and, therefor, as an armored door lock for civil and industrial locations. Any other use is to be considered improper and dangerous.

## 8. ASSEMBLING

Assembling the external indicator on the external panel
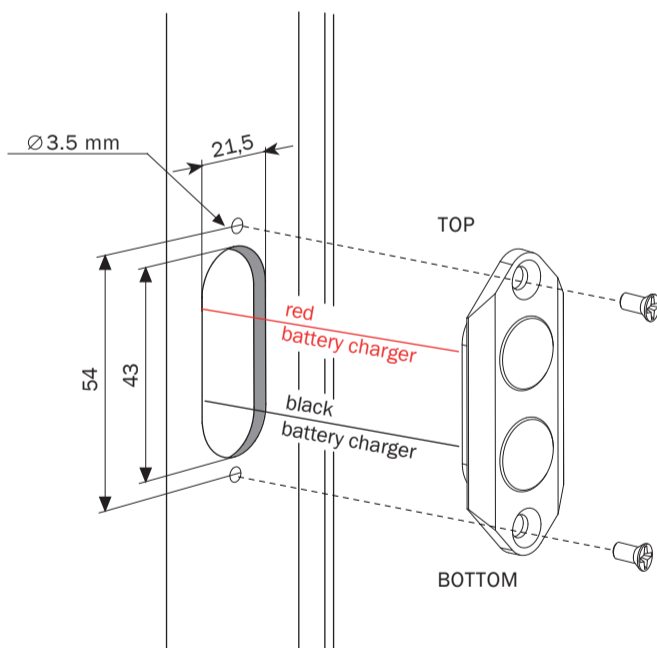(TAG keypad/reader – TAG reader only)



∅ 50
330 max
93
∅ 50

Make a 25x25 mm slot in the outside panel and plate to allow the external plate cable to pass through.

25
25
50

Make a 50 mm dia. hole only in the external panel in order to install the external cylinder protection.

## 8.1 ASSEMBLING

Assembling the internal indicator
on the internal panel (buttons)



∅ 50
200 max
93
∅ 50
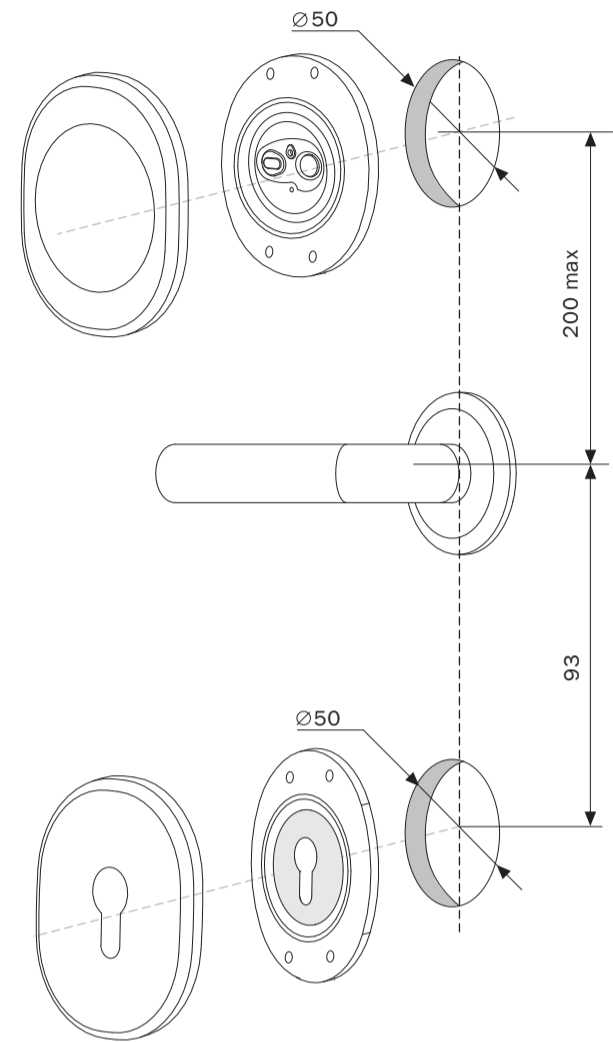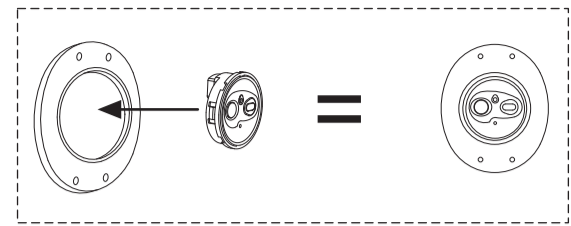
## 9. FIXING THE DOOR CLOSED CONTACT



∅ 3.5 mm
21,5
TOP
54
43
red battery charger
black battery charger
BOTTOM

When using the battery charger (optional) connect the red wire from the battery charger to the upper contact on the door contact connector and the black wire from the battery charger to the lower contact on the door contact connector.

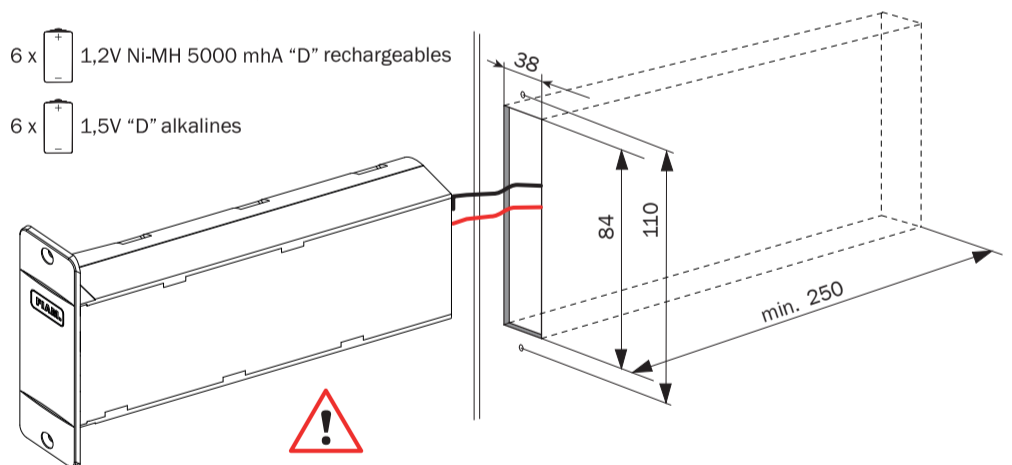Additional lubrication of any kind is forbidden.

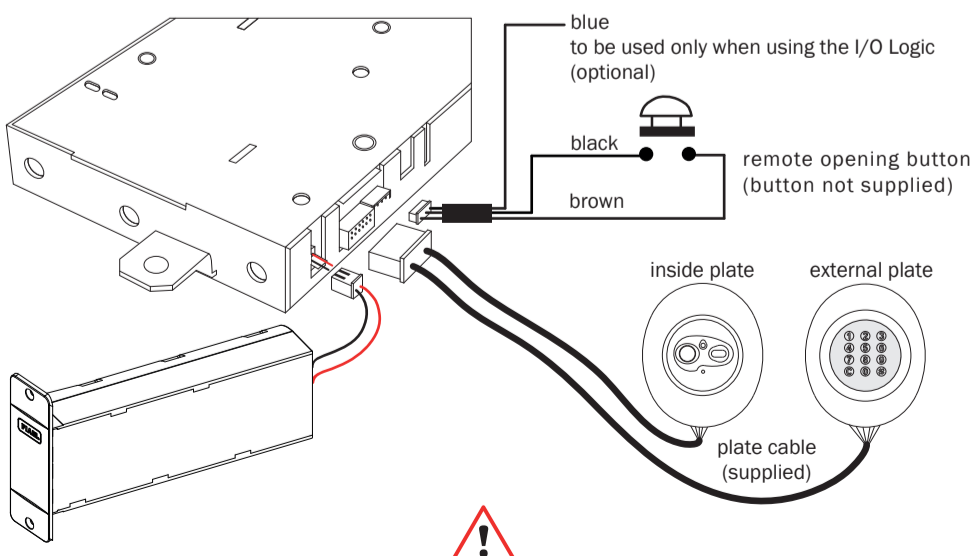If needed just clean the door contacts using ethyl alcohol.

## 10. BATTERY HOUSING



6 x  1,2V Ni-MH 5000 mhA "D" rechargeables

6 x  1,5V "D" alkalines

38
84
110
min. 250

Before switching on the power to the x1R Easy lock make sure that the red and black wires are intact and that the connectors on the battery housing do not come into contact with the door frame in any way.

## 11. CONNECTIONS



blue
to be used only when using the I/O Logic (optional)

black
remote opening button (button not supplied)

brown

inside plate       external plate

plate cable (supplied)

Use a normally open button (clean contacts) as a "remote opening button". The opening command must have a duration of less than 1,5 sec. in order to have the pistons and latch always retracted (lock stopped at "daytime opening") provide an opening control with a duration of not less than 20 sec.
In order to exit this mode provide the same input with an impulse with a duration of less than 1,5 sec.

**ISEO Zero1**
**x1R** Easy
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