

# **12V Electric Gate Lock for Swing Gates**



**Please read the instructions carefully before operating or servicing the product.**

## 1 SPECIFICATIONS

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<b>Rated voltage</b>	12 V
<b>Rated current</b>	3 A
<b>Resistance DC</b>	2.5
<b>Frequency</b>	50 – 60 Hz
<b>Insulation Class</b>	Class F
<b>Servicing</b>	Intermittent-type service

## 2 SAFETY GUIDELINE

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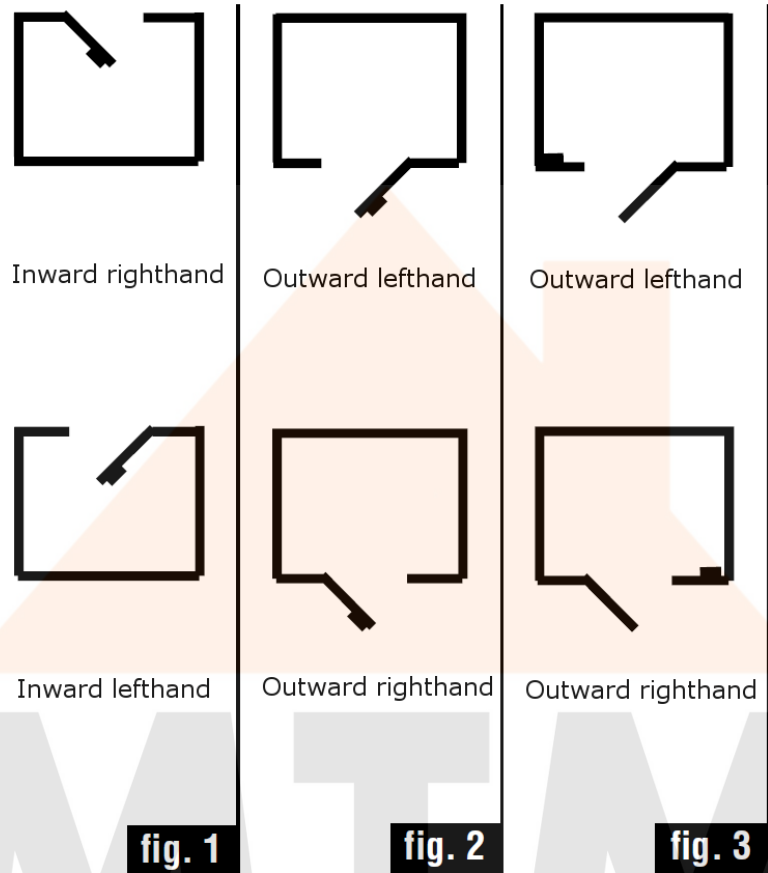
- Read these instructions carefully and keep them for future reference.
- The product conforms to European Directive EEC 89/336, EEC 92/31 and EEC 93/68 on electromagnetic compatibility, in compliance with EN 50081-1 and EN50082-1.
- All data and declarations on this sheet cancel and supersede any previous information sheets.
- Install the electrical system in compliance with the national standards in force.
- Ensure the gate lock power is only supplied by a safety transformer, that is in compliance with EN 60742/IEC 61558-2-4, or another power source with an equivalent level of safety.
- Before connecting the gate lock, make sure the transformer output voltage is equal to the rated gate lock voltage.
- Transformer power must be at least 15 VA.
- Ensure that the system is adequately protected against short circuits.
- The control unit (manual or electronic) must be sized for the current absorbed by the gate lock, must comply with the safety standards in force and must guarantee a level of safety equal to that provided by the safety transformer.
- The electrical system must be disconnected from the mains when carrying out cable connection or performing any other work on the gate lock.
- Use standard-approved wiring with a minimum cross section of 1 mm<sup>2</sup>

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### 3 INSTRUCTIONS FOR INSTALLING THE ELECTRIC GATE LOCK

#### 3.1 CHANGING HAND AND BACKPLATE

- Determine which position you desire the gate lock to be positioned (fig. 1 to 3).



- Lift the cover using a Phillips head screw driver to reveal the backset. Insert the screw driver into the rear of the gate lock lift with adequate strength (fig. 4).

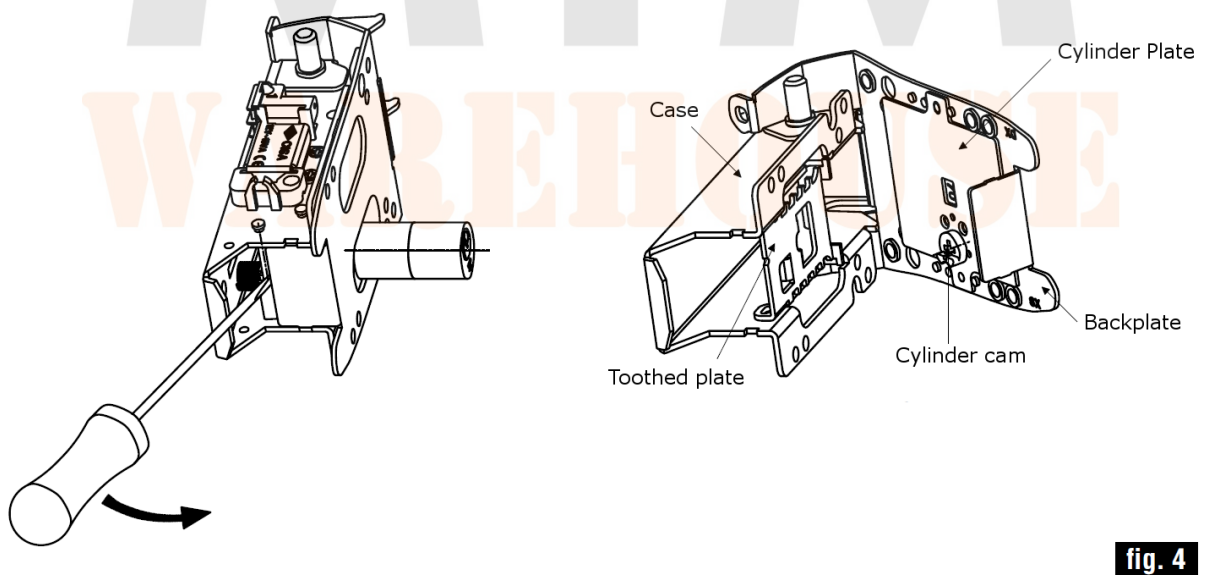
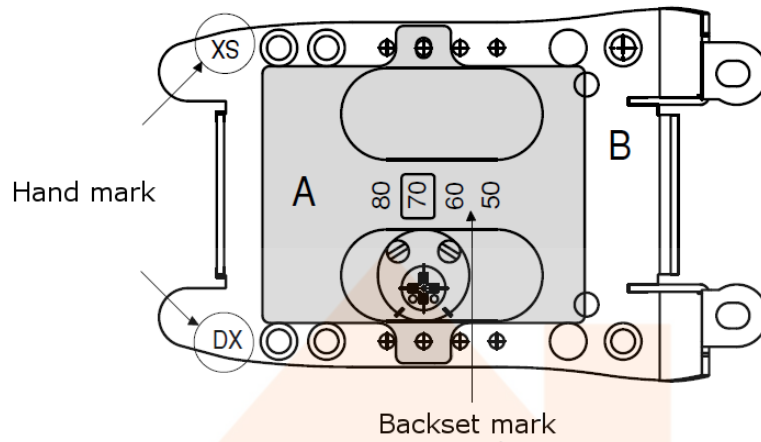
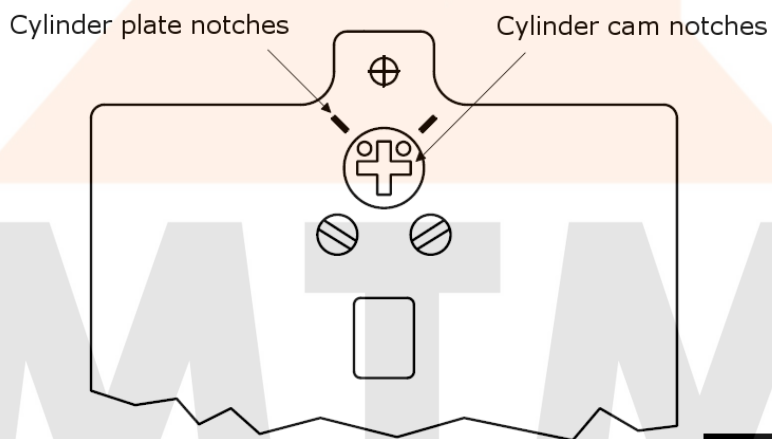


fig. 4

- Adjust the backset by moving the backset to the next or previous holes. Use backset mark for guidance of 50 – 80mm. It can also be moved to open either to the left or right by moving the cylinder. (fig. 5-6).

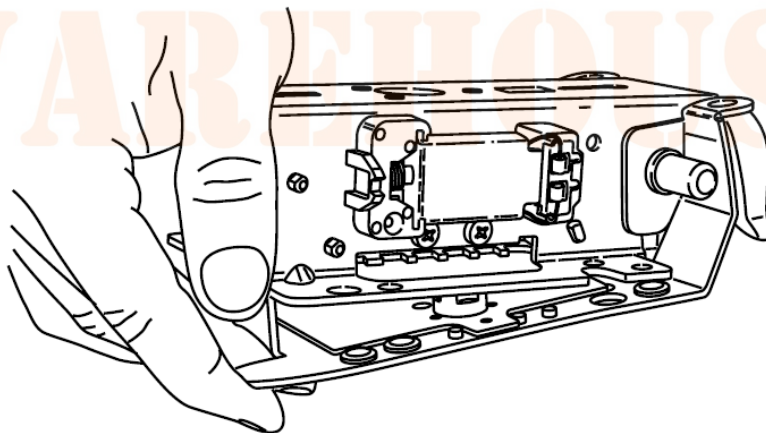


**fig. 5**



**fig. 6**

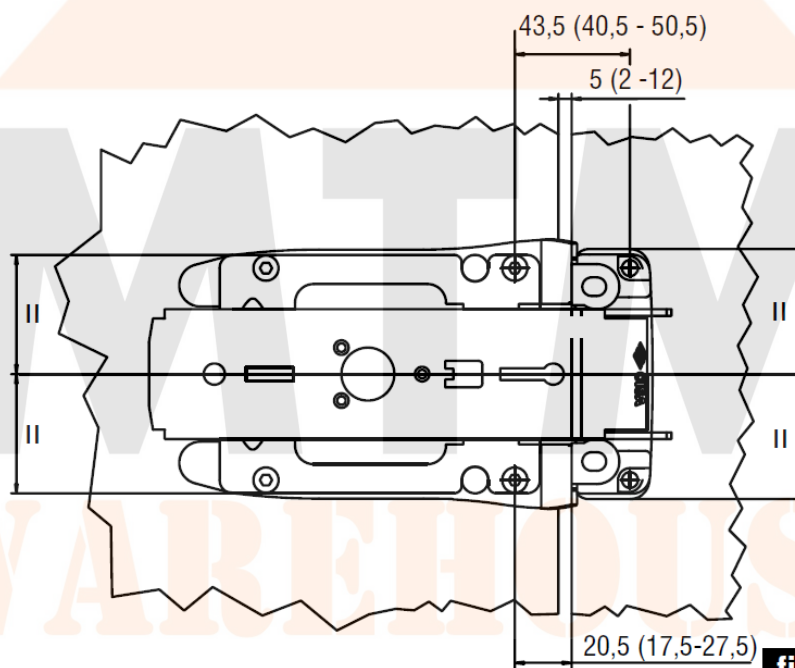
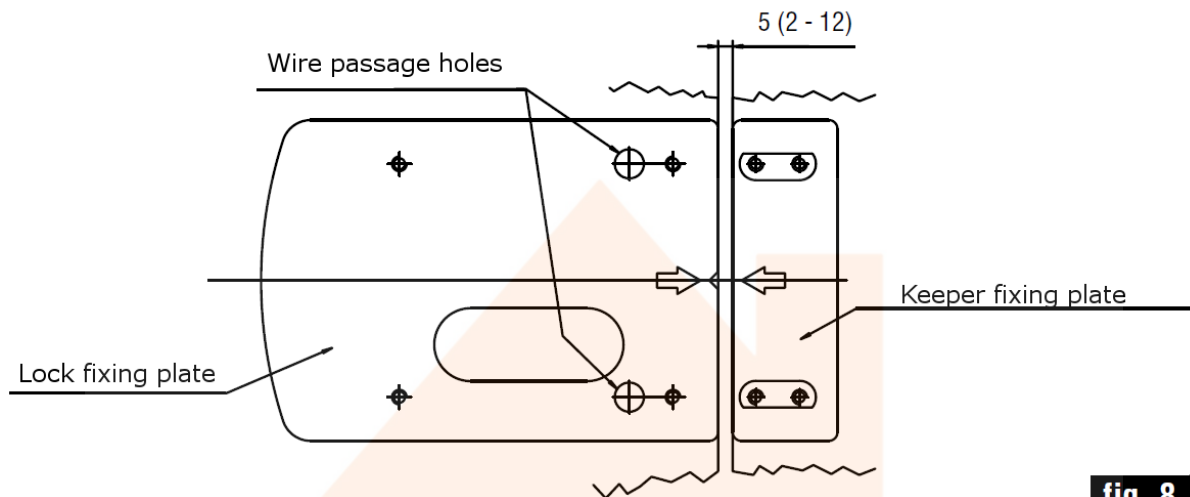
- Once done, simply close the case and backset with some strength (fig. 7).



**fig. 7**

### 3.2 INSTALLATION

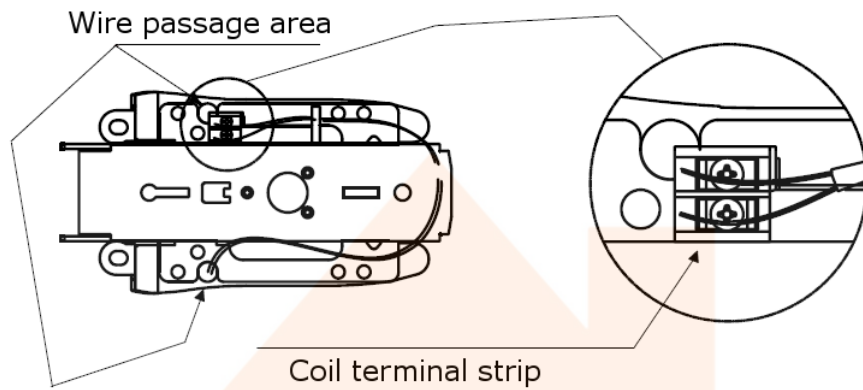
Weld the lock and the keeper fixing plates to the gate, flush with the uprights and making the arrows on the plates match with each other (fig. 8). Make sure that the distance between the uprights is within the tolerance values, as the keeper is fitted with a “swinging pin” which covers a stroke of 2 to 12 mm (fig. 9).



### 3.3 WIRING

Connect the wires to the coil terminal strip by leading them under the contact plates, then tighten the fixing screws (fig. 11).

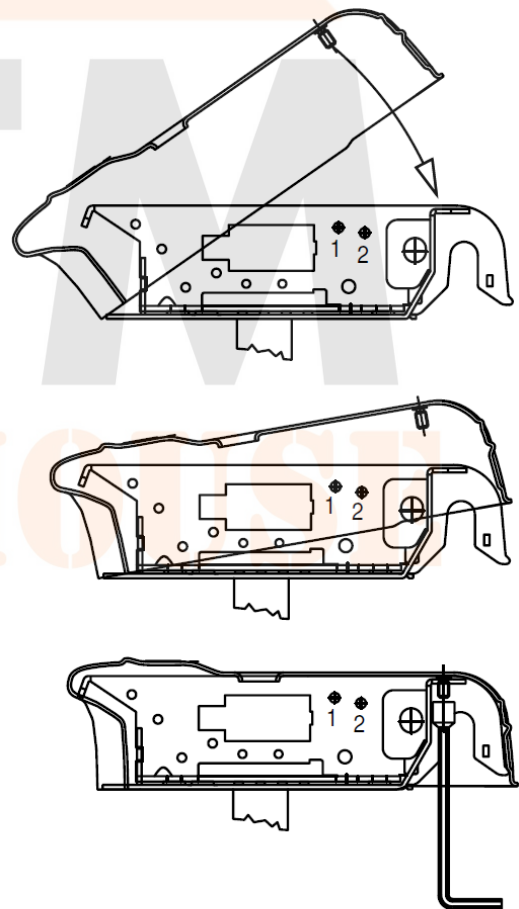
Note: If, for any reason, a wire must be led out to the opposite side with respect to the coil, lead it out of the lock rear side and not directly over the lock case (fig. 11).



**fig. 11**

### 3.4 FIXING THE PROTECTIVE CASING

With the door open, fit the protective casing starting from the handle side making sure that the lock back matches the casing (fig. 12).



**fig. 12**

## 3.5 AVAILABLE STANDARD FUNCTIONS

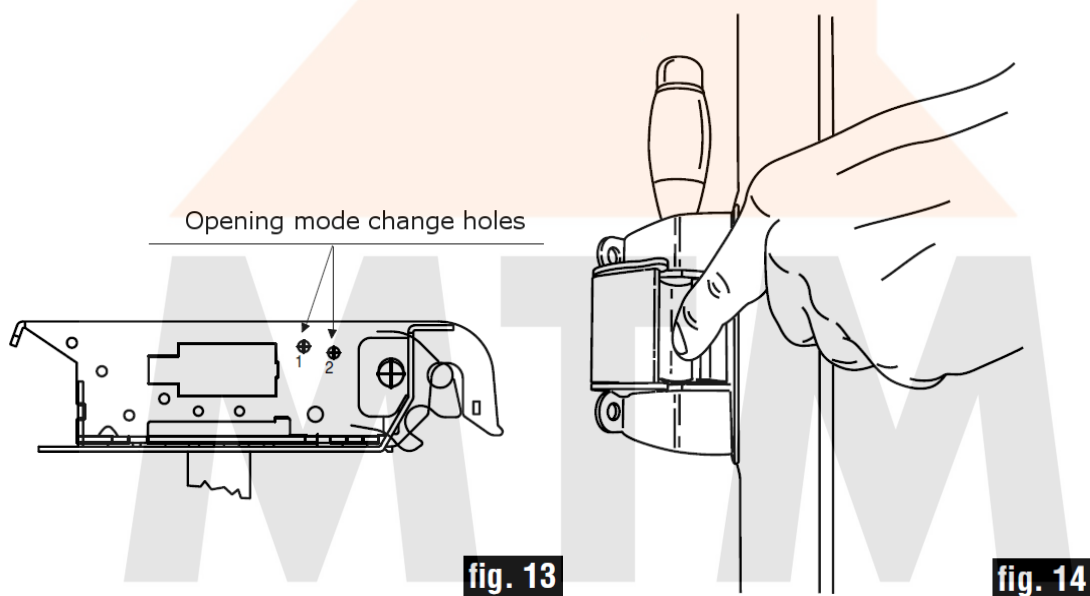
### 3.5.1 Changing the opening mode

Two opening modes are possible:

- **A “Automatic opening”**: the door is fully opened by the rotation of the hook.
- **B “Ready for opening”**: the rotary hook is released but the door remains closed; you must push to open it.

The lock is supplied in the standard operating mode A; if the B mode is to be selected, do the following:

- Close the door.
- Insert a  $\varnothing$  4mm Philips screwdriver in hole 2, making sure to push it through to the lock opposite side (fig. 13).
- Open the door with the key or the push button, then manually rotate the hook to its opening position (a slight friction is felt during this operation, then a final “click” is heard) (fig. 14).
- Take out the screwdriver; the mode “Ready for opening” (B) is now enabled.



**To return to “Automatic Opening” (A)**, carefully follow the instructions below:

- Open the door.
- Insert a  $\varnothing$  4mm Philips screwdriver in hole 1, making sure to push it through to the lock opposite side.
- Close the door.
- Take out the screwdriver; the mode “Automatic Opening” (A) is now enabled.

### 3.5.2 Hold open device

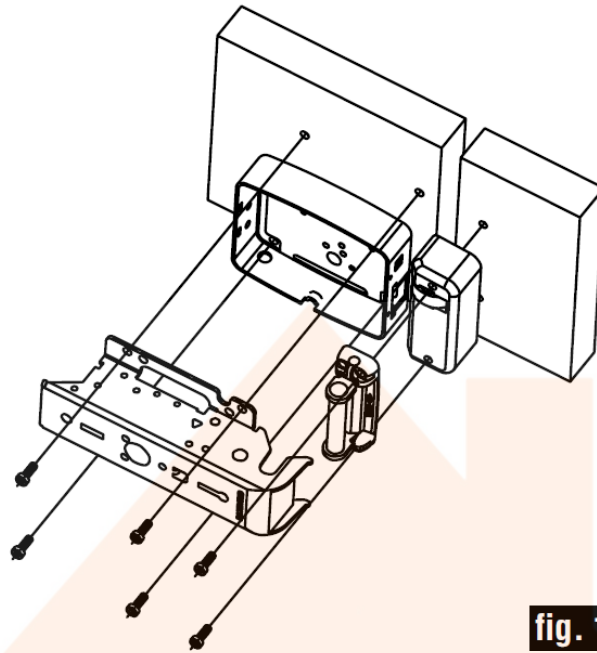
To enable the “Hold open device”, press and hold down the red push button and then lock it by turning the key clockwise. To release the push button, it is sufficient to turn the key anti-clockwise.

### 3.5.3 Push button safety device

The device is used to disable the push button function. It is activated by rotating the key clockwise to lock the push button (not pressed). To release the push button, turn the key anti-clockwise.

### 3.6 REPLACING THE ELECTRIC GATE LOCK

The lock is totally interchangeable with the rim locks fitted with a reloading pin (fig. 15).



**fig. 15**

### 3.7 REPLACING THE EXTERNAL CYLINDER

- Open the lock case (fig. 4).
- Loosen and remove the 2 screws of the fixed cylinder from the cylinder fixing plate.
- Install the new cylinder by aligning the locating marks on the plate and on the cam (fig. 6).

### 3.8 REPLACING THE INTERNAL CYLINDER

- Set the lock to its "Hold open" mode to stop the spring plate sliding out of its housing.
- Open the lock case (fig. 4).
- Lift the toothed plate which covers the internal cylinder.
- Loosen the three (3) screws on the case back.
- Take out the cylinder housing and pull out the cylinder.
- Install the new cylinder making sure that the push button stem is inserted in its support.

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