

## Electric Strikes JIS



## AC ⚡ DC electric strikes

The function of the electric strike is to be able to remotely unlock a door. By means of an electrical current an electromagnet retracts the locking bolt of a traditional key lock. The electric strike replaces the standard strike of the key lock. JIS electric strikes are commonly used in buildings with access control (e.g. in apartment complexes or buildings) and also in fire alarm systems for making escape routes accessible in the event of a fire.

### Operating current & Idling current

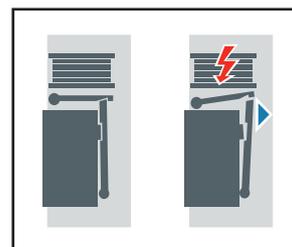
For electric strikes a distinction is made between operating and idling current.

#### Operating current = Current required to unlock

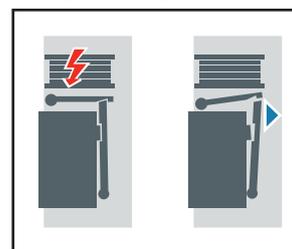
The strike requires an electric current (most commonly via a button inside the home) to retract the strike and unlock the door. These strikes are commonly seen in access doors in apartment buildings, for example.

#### Idling current = Locked under current

Only once the current is interrupted do the strike and the door become unlocked. These strikes are commonly seen in fire alarm systems, for example. The activation of the alarm causes the current to stop, thereby unlocking all doors and making escape routes accessible.



Operating current



Idling current

### Alternating Current (AC) & Direct Current (DC)

In addition to the distinction between operating and idling current, a distinction is also made between alternating current (AC) and direct current (DC).

#### Alternating Current (AC)

The most common form of polarity; 230 Volts AC on the power supply network with a frequency of 50 Hertz in most European countries.

This means that the alternating current switches polarity 50 times every second. A transformer converts the 230-Volt alternating current to the voltage required by the user. For an electric strike this is 12 Volts.

#### Direct Current (DC)

DC is a constant current for which the charge potential remains stable over time and in which the charge potential alternates with a fixed frequency. This form of charge is often found in batteries.

An electric strike with direct current is often used in places where it has to be able to work independently of the power supply network. A sudden power outage must not affect the strike operation (e.g. in banks or government buildings).

### LEFT AND RIGHT APPLICABLE

JIS built-in electric strikes are applicable for every opening direction according to the DIN standard.

Because both sides of the strike plate are treated and the screw holes are countersunk on both sides, it can be fitted for left and right applications.





## Electric strike options and possibilities

As mentioned earlier, electric strikes are available as operating current or idling current and with AC or DC current. In addition, a number of useful options can also be selected:

- ▶ Pulse
- ▶ Blocking switch
- ▶ Pulse & blocking switch

### Pulse

The standard version of the electric strike is unlocked by means of pressing and holding down a button. Only once the button is released does the strike lock the door again. The pulse ensures that the door can be opened only once. It is easily opened after a quick press of the button. The strike then locks the door again as it swings closed.

### Blocking switch

The blocking switch makes it possible to fix the electric strike in unlocked mode so that the door stays unlocked. This is sometimes also referred to as “moving mode”.

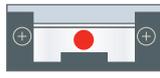
A combination of these two features is also possible.

### One type for all situations!

From 2017 new types of Electric strike plates were developed. These new types made the choice between 12V and 24V an Alternating Current (AC) and Direct Current (DC) obsolete. With one Electric strike plate all these specs are met. The only choice you have to make is which functionality you need; pulse, blocking switch or both.

With the product guide below you can easily determine which type of electric strike plate fits your situation.

## Product Guide

Type	12V	24V	AC	DC	Operating current	Idling current	Functionality
JIS 1710	●	●	●	●	●		
JIS 1711 DC12	●			●		●	
JIS 1711 DC24		●		●		●	
JIS 1410 (small)	●	●	●	●	●		
JIS 1730	●	●	●	●	●		
JIS 1037 AC12	●		●		●		
JIS 1720	●	●	●	●	●		
JIS 1420 (small)	●	●	●	●	●		
JIS 1740	●	●	●	●	●		

● = Pulse    ■ = Blocking switch

**PREVENT RATTLING DOORS!**

After installation the latch acceptor of the JIS electric strike can be adjusted horizontally by 4 mm.

This makes it possible to bring the strike flush with the electric strike, making rattling doors a thing of the past.

