

Electric Strike



An **electric strike** is an access control device used for doors. It replaces the fixed strike faceplate often used with a latchbar (also known as a keeper). Like a fixed strike, it normally presents a ramped surface to the locking latch allowing the door to close and latch just like a fixed strike would. However, an electric strike's ramped surface can, upon command, pivot out of the way of the latch allowing the door to be pushed open (from the outside) without the latch being retracted (that is, without any operation of the knob).

Electric strikes generally are available in two configurations:

- [Fail-secure](#). Also called fail-locked or non-fail safe.

A fail secure electric strike stays locked even without power.

In this configuration, applying electric current to the strike will cause it to open. In this configuration, the strike would remain locked in a power failure, but typically the knob can still be used to open the door from the inside for egress from the secure side. These units can be powered by alternating current, which will cause the unit to buzz, or DC power, which offers silent operation, except for a "click" while the unit releases.

- [Fail-safe](#). Also called fail-open.

A fail safe electric strike needs power to keep it locked.

In this configuration, applying electric current to the strike will cause it to lock. It operates the same as a magnetic lock would. If there is a power failure, the door opens merely by being pushed or pulled. Fail-safe units are always operated with direct current.

DC Only with Battery Back UP of 7 Hours

Electric strikes are sometimes equipped with buzzers that allow someone outside the door to hear when the door is open.

Electric strikes come in many varieties. They can be 12 or 24 or even higher voltage and they may take AC or DC current and some even take both. They may be fail safe or fail secure.

Both types of electric strikes are permitted where the door assembly is not in a fire separation. When a labeled electric strike is installed in a door assembly in a fire separation, the electric strike must fail-secure.