

ELECTRIC DOOR RELEASES

PROTECTOR (O&C) ELECTRIC DOOR RELEASES or ELECTRIC STRIKES

- All versions of our Electric Releases have stand-by function and MECHANICAL decoupling feature.
- When ordering, please specify required handing and type of lock being used. "Deep" releases are required for single bolt e.g. "architectural locks". "Shallow" releases are required for combination latch bolt and dead bolt locks, such as the Protector® 735 & 726 and 785 and 8560, 8545.

Important Information:

So called AC /DC (Alternating Current / Direct Current) compatible electric door releases are only so on an intermittent basis. "Continuous" DC operation of an AC electric release mechanism or vice versa will eventually cause what's commonly known as "burn out" of the coil. There are other scenarios however rare and practically negligible. Special dedicated DC electric releases are available of course in all variations. Unless otherwise specified we will supply the AC version.

When installing electric door releases (or strikes) powered by a DC controller it is necessary to allow for and maintain a clearance between the latch bolt of the lock and the keeper or trap of the electric release when they are in lock mode. Doors often have a bias of considerable tension towards opening, caused by hinge binding, deformed or moisture swelled jambs or excessive paint build-ups, or door not hanging vertically etc.

A DC controller generally delivers one impulse only to the door release and considering the inherent shortcomings of solenoids, can cause failure to decouple, especially if excessive friction is present at any or all points of the mechanism (lack of lubricant and indeed the clearance mentioned above). The person seeking to pass mostly misses the period of time to push or pull the door, as the characteristic single click of the solenoid travelling is not detected. A good door closer maintaining the clearance is therefore definitely recommended for DC operation as it is essentially also for AC operation to provide the timely and definite automatic relatching / relocking of the door / gate which is imperative to provide for the next cycle and indeed for security.

An AC operated system delivers multiple impulses according to the frequency of AC prevailing (a "rattling" or "snarling" and prominent sound is heard) almost always allowing the solenoid to decouple – virtually "hammering" the keeper free, providing passage.

The PROTECTOR range of electric door releases provides all the above as well as mechanical decoupling for continuous passage, adjustable keeper or trap and stand-by mode for indefinite "waiting to release" (after one impulse to open, but only allowing one pass with immediate relocking). It is the closing of the door and the engaging of the latch bolt that "re-primed" the electric release for the next decoupling action.



Lock & Door Hardware Distributors

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