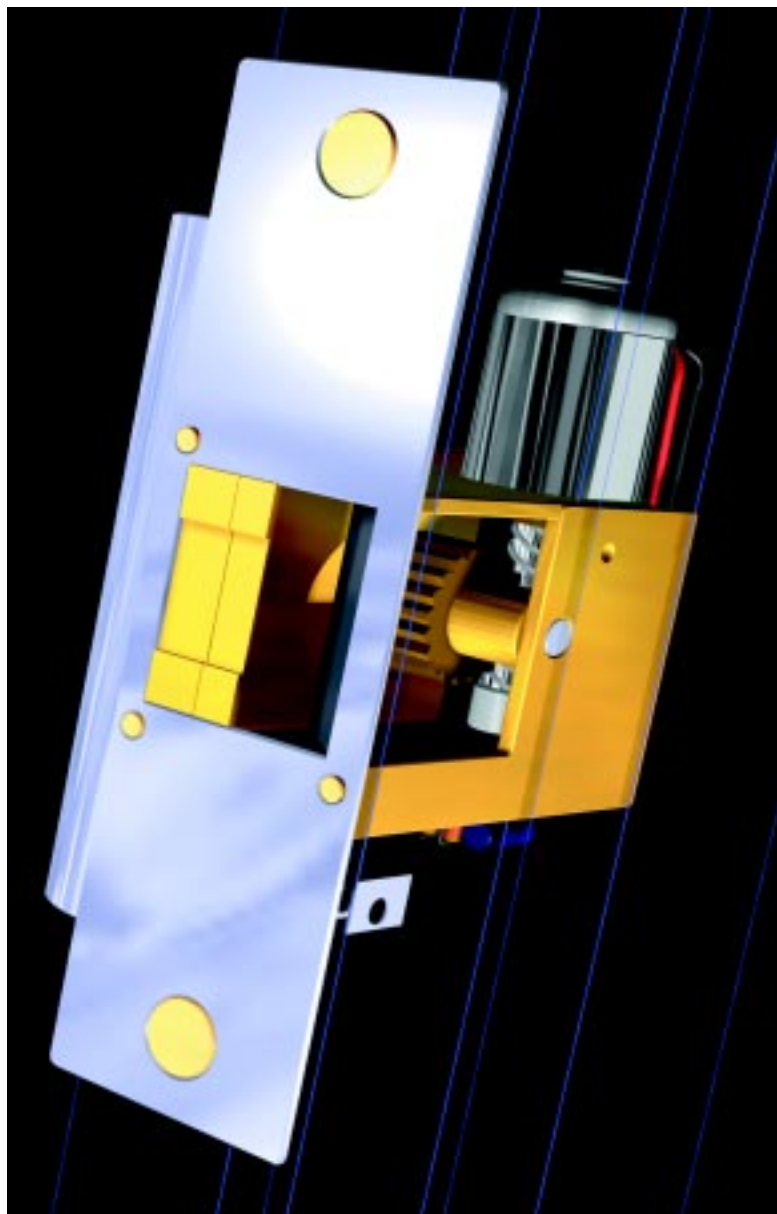


UNLATCH® MOTORIZED ELECTRONIC STRIKE

A Revolutionary Breakthrough In Access Control Technology



OVERVIEW

Securitron's patented UnLatch is a completely new type of electric door releasing device which sweeps away the limitations inherent in traditional electric strike designs. The UnLatch **screws into the existing door frame in seconds**. There is no need for routing a special cut-out. This not only **saves on installation labor**, but maintains the original strength and integrity of the door frame and **yields a fully concealed installation** for maximum esthetic appeal.

The UnLatch is highly **universal** in that **one version** will operate any North American cylindrical type dead latch or spring latch and installs in **wood, steel or aluminum** door frames. Unlike conventional electric strikes, the UnLatch also **releases under pressure** and includes a **latch status monitoring output** as a standard feature. The UnLatch truly merits being called **revolutionary**.

HOW IT WORKS

Basic operation of the UnLatch is the **same as electric strikes**.

An **access device** (such as a card reader or digital keypad) activates the UnLatch for controlled entry. Egress is accomplished by simply turning the lock set lever or knob from the inside.

Conventional electric strikes include a plate called the **keeper** or gate which is electrically released to swing out and thereby allows the latch to move through the space the keeper has vacated. This keeper movement is the reason why a special cut needs to be made in the door frame. The cut-out provides a space for the keeper to swing in to.

The UnLatch however uses a **motor driven plunger to push the latch back** in to the door. There is no keeper and no reason to route out the door frame. For **dead latches**, a second plunger separately controls the dead latch pin which is normally maintained in the retracted state for optimum security. The dead latch plunger then releases the dead latch pin just before the first plunger pushes in the spring latch to release the door. When the door is reclosed, the UnLatch automatically re-secures it including re-establishing full dead latch security. The UnLatch's unique and novel operation yields an **unprecedented array of benefits**:

NEAR UNIVERSAL APPLICATION

A single UnLatch model will operate **any North American cylindrical type spring latch or dead latch** (the most common latch type). There is no need to determine the specific brand of latching hardware, the UnLatch accepts all of them. Similarly, the same UnLatch model can be installed on **all door types**: steel, aluminum or wood. Problems of ending up with the wrong electric strike model for the door or latch type are virtually eliminated. With the Model UFP, UnLatch Filler Plate, the UnLatch may generally be used to replace a previously installed conventional electric strike.

MECHANICAL INSTALLATION IN SECONDS

Nearly all North American commercial door frames employ an **ANSI 4-7/8" strike plate**. The UnLatch is constructed around this standard plate, so mechanical installation generally consists of unscrewing the existing strike, and screwing the UnLatch into its place! Conventional electric strikes require a side cut into the door frame to accommodate the keeper. This not only requires considerable skilled labor time but weakens the door frame and degrades its appearance.

The UnLatch can also be installed on frames with residential type **ANSI 2-3/4" strikes**. While this requires more work, it remains mechanically much simpler than the installation of a conventional electric strike, particularly on wood doors which are handled by simple chiseling.

FULLY CONCEALED APPEARANCE

The prominent door frame side cut in a conventional electric strike installation not only degrades the appearance of the door and frame, but it's immediately obvious to an intruder that the door is secured with an electric strike. In contrast, **an UnLatch installation is physically indistinguishable from a standard mechanical lock set**. This allows putting the door under electronic control without altering the architectural presentation in any way. This unprecedented benefit of the UnLatch also enhances security as intruders can't determine how the door is secured.

FULL DEADLATCH SUPPORT

Conventional electric strikes work poorly and inconsistently with dead latches. Locksmiths will often remove the dead latching function from door hardware so as to avoid operational problems with the electric strike. This seriously degrades security as the latch can be released from the outside through use of a flexible card for instance.

In contrast, the UnLatch makes precise and active use of the dead latch pin and therefore **maintains the dead latch function at all times**. The security level in an UnLatch installation is therefore the highest of which the door hardware is capable. Adding electronic control to a door shouldn't reduce security and with the UnLatch, it doesn't.

OPENS UNDER PRESSURE; PERFORMS UNDER PRESSURE

The UnLatch **reliably releases the door even when the person entering is already pulling** on it. Standard electric strikes can't do this and it makes their use more awkward compared to the UnLatch, as the

person entering has to "try" the door multiple times. Another powerful advantage of the UnLatch is its resistance to abuse. Conventional electric strikes need frequent replacement in abusive door environments as the pivoting keeper receives the abuse and fails, but the rugged design and construction of the UnLatch makes it highly resistant to abuse-caused failure as the door latch, when rattled, impacts a solid element within the UnLatch. You can expect **many years of trouble free operation** when you select the UnLatch.

LATCH STATUS AS A STANDARD

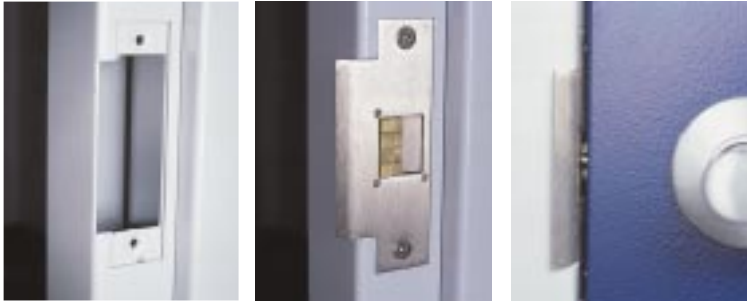
Using an internal sensor, **the UnLatch "knows" when the door latch is in the secure condition** (the latch is seated within the UnLatch). This vital security information is reported out on **SPDT dry contacts** (three wire output). These contacts can be **wired to the local alarm or access control system** to significantly enhance building security. Any time a door fails to close and resecure, the alarm/access system is aware of it and a guard can be dispatched to check the door and correct the problem. The UnLatch becomes a key player in the building's physical security system as it catches propped doors, "sticking" doors, worn out door closers and improper behavior by individuals within the building. There are no loose ends in an UnLatch installation.

SECURITRON™
TECHNICAL INNOVATION REVEALED:

- 1**
AT CYCLE POSITION ONE, THE DOOR IS OPEN AND THE UNLATCH IS READY TO ACCEPT THE LATCH AND DEAD LATCH PIN.
- 2**
AT POSITION TWO, THE DOOR HAS CLOSED AND A FULLY EXTENDED LATCH IS CAPTURED WHILE THE DEAD LATCH PIN IS HELD BY ITS CORRESPONDING PLUNGER. THE DOOR IS NOW SECURE.
- 3**
THE MOTOR ACTIVATES, RELEASING THE DEAD LATCH PIN AND BOTH PLUNGERS...
- 4**
...SIMULTANEOUSLY PUSH FORWARD IN ONE-THIRD OF A SECOND, RELEASING THE DOOR.
FINALLY, THE UNLATCH'S ELECTRONIC BRAIN BRINGS THE UNIT BACK TO POSITION ONE, READY TO SECURE THE DOOR AGAIN.



Installation of an old-fashioned electric strike requires the tools and expertise to alter a door jamb. And even when properly done, the results are permanently unappealing and obtrusive...



...But the UnLatch requires absolutely no jamb alteration! It installs easily in seconds and provides a totally undetectable appearance that's truly State of the Art Smart!

THE UNLATCH® FITS ANY STANDARD ANSI 4 7/8" CUTOUT

With Famous 1-800-MAGLOCK Support!

- ✓ OPERATES EVEN WHEN PRE-LOADED
- ✓ FEATURES FORM "C" LATCH STATUS MONITOR
- ✓ MAGNACARE™ WARRANTY.

UNLATCH® OPERATES CYLINDRICAL and TUBULAR LATCHES WITH OR WITHOUT A DEADLATCH PIN!

STATE OF THE ART SMART!

TECHNICAL DATA

Size: Standard ANSI 4 7/8" Strike.

Dimensions: 3-3/8" Long, 1-3/8" Wide, 1-7/16" Deep 86 x 35 x 36.5mm

Voltage: 12 & 24 VDC +20% -10%. Full wave rectified DC acceptable.

Current Draw: (@ 12VDC) 40mA continuous, minimum 300mA when motor is operating.

(@ 24VDC) 40mA continuous, minimum 200mA when motor is operating.

Higher capacity supply (1-3 Amps) is recommended for start-up inrush to achieve best operation under pre-load.

Electric Motor: No Solenoids.

Operating Temperature Range: -20°F to 125°

Listings: UL R18923 and BP7041

Stainless Steel Face with Metal Enclosure.

Supplied with 10 ft. Cable.

Mounting Fasteners Included.

U.S. Patents #5,474,342 and #6,022,056 with other U.S. and international patents pending.s

ORDERING INFORMATION

UNL-12 for 12 VDC operation.
UNL-24 for 24 VDC operation.

Part Number	Description	Price
UNL-12	UnLatch For Cylindrical Locks 12VDC	\$280.00
UNL-24	UnLatch For Cylindrical Locks 24VDC	\$280.00
UFP	UnLatch Filler Plate Electric Strike Retrofit	\$30.00

THE ELECTRIC STRIKE SLEEPS WITH THE FISHES,

AND THE UNLATCH ERA BEGINS.

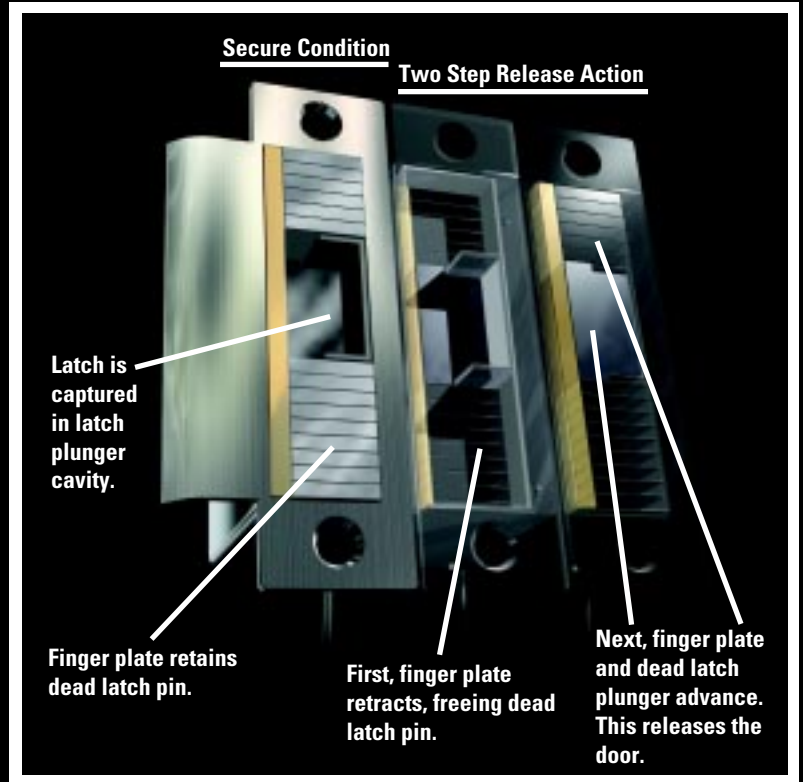
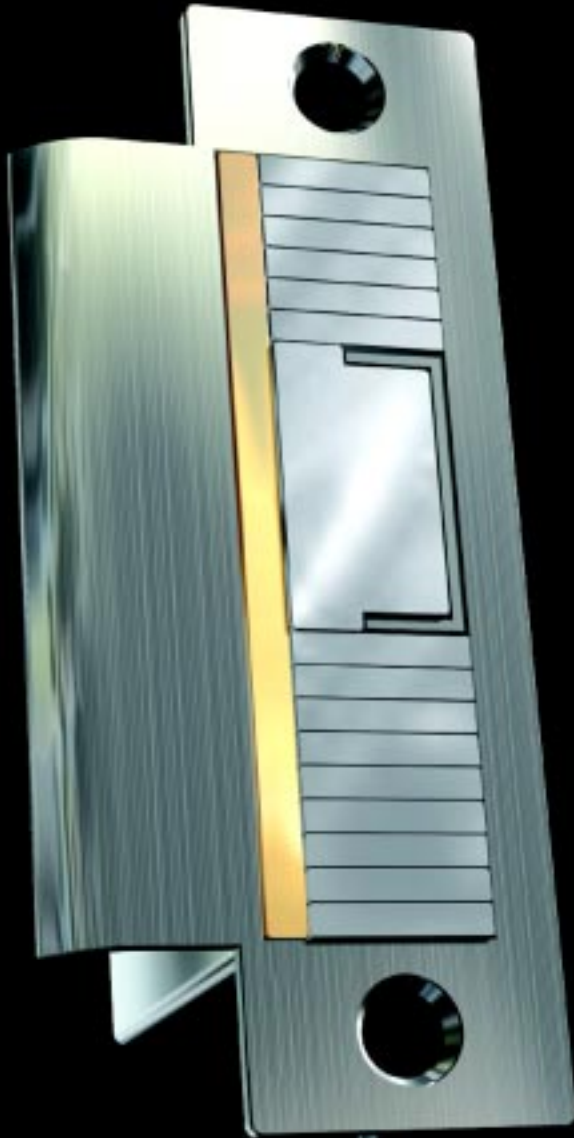
MAGNACARE™ ISO 9001
LIFETIME REPLACEMENT WARRANTY World Quality Standard

SECURITRON

MORTISE UNLATCH[®]

MOTORIZED ELECTRONIC STRIKE

*The UNLATCH Family's
"No Routing"
Revolution Continues...*



MAGNACARE[™]
LIFETIME REPLACEMENT WARRANTY

ISO 9001
WORLD QUALITY STANDARD

STATE OF THE ART SMART!

OVERVIEW

In 1999, Securatron revolutionized the Electric Strike industry by introducing the UnLatch. This patented product **directly screws into the existing door frame in seconds, with no frame routing needed.** The installation is **fully concealed** for maximum esthetic appeal. The UnLatch supports **full dead latch function, releases under pressure** and includes a latch **status sensing output** as a standard feature. But the original UnLatch operated cylindrical/tubular latches only. The all new MUNL Mortise UnLatch extends UnLatch technology to Mortise locks. All the amazing benefits of the original UnLatch are retained and a dramatic new one is added: the Mortise UnLatch includes field adjustability for latch and dead latch positions so that **one model works with all North American Mortise Locks***. This eliminates the considerable hassle of matching up the electric strike model with the Mortise Lock type.

An ASSA ABLOY Group company

You only need to determine whether the door has a cylindrical or mortise type lock to pick the perfect UnLatch for the job!

HOW IT WORKS

A Mortise lock includes a **latch and dead latch pin**. When the lock is in the closed position, the latch is extended (securing the door) and the dead latch pin is pushed in. This internally pins the latch so that the door can't be opened by sliding a plastic card in against the latch. The Mortise UnLatch operates the latch and dead latch pin as follows: In the **secure condition**, the latch is captured in a cavity against the latch plunger while the dead latch pin is pushed in by a flush **finger plate**. The lock is released in two quick steps. First the finger plate draws back which releases the dead latch pin and then the latch plunger

ASSA ABLOY

and finger plate move forward together which releases the door. When the door is reclosed, the Mortise UnLatch automatically re-secures it including reestablishing full dead latch security.

ADJUSTMENT TO ANY MORTISE LOCK*

The chief problem with procuring electric strikes to work with North American Mortise Locks is that there is no **standard or commonality** among the lock manufacturers as to the vertical position of the latch and dead latch pin in the standard ANSI 4 7/8 door preparation. This means that the electric strike must be specified and purchased individually to suit the particular Lock model on the door. Until the introduction of the Mortise UnLatch! The UnLatch is set by the installer in the field, just prior to installation, to correspond to the Lock model. As the graphic below shows, **the latch cavity can be moved anywhere on the UnLatch face** with the finger plate occupying the space above and below the latch cavity. The instructions show the correct setting for all North American Mortise Lock models and adjustment is done quickly with a **screw driver and allen wrench**. Product selection, inventory and service issues are all drastically simplified with the Mortise UnLatch.



Field adjustable, the Mortise UNLATCH cavity is easily moved for a perfect match to latch position

SUPERIOR IN EVERY WAY

It's rare to find a product without weaknesses which satisfies all functions sought in an access control installation but the Mortise UnLatch achieves this. **Security concerns** are met by the UnLatch's full use of the dead latch function and by the fact that the latch is surrounded by steel (there is no pivoting keeper) and the frame is not weakened by a side-cut. This yields maximum strength. And the full concealment achieved in an UnLatch installation means a vandal can't get at it. This leads to **unmatched appearance** on the door to satisfy the concerns of specifiers and end users as to the esthetic appeal of the finished installation. The UnLatch is simply invisible on the door.

System compatibility is optimized by the fact that the UnLatch includes **integral SPDT latch status sensing**. It **reports to the access control or alarm system only when the latch is fully seated**. This contrasts with most electric strike installations which make use of separate door contacts to report when the door is closed but *not necessarily secure*. Integral latch sensing also **simplifies the installation** and

further improves the finished appearance at the door by eliminating the need for magnetic contacts.

And **installation simplicity** is possibly the UnLatch's **most dramatic feature**. When the need to rout the door frame is eliminated, time is not only saved but the same skills appropriate for the electronic work of putting in an access control system are fully adequate to install the UnLatch. So a single team of technicians can do all the work. **In daily function**, the UnLatch also shines. It releases the door even under a pre-load and since there is **no keeper to wear out or fail**, the UnLatch provides **outstanding resistance to abuse and years of trouble free operation**. Which is why Securitron is able to cover this product with our amazing MagnaCare lifetime warranty.

TECHNICAL DATA

Size: Standard ANSI 4 7/8" Strike.

Dimensions: 3-5/8" Long, 1-1/4" Wide, 1-7/8" Deep 91 x 32 x 50mm

Voltage: 12 & 24 VDC +20% -10%. Full wave rectified, DC acceptable.

Current Draw: (@ 12VDC) 40mA continuous, minimum 700mA when motor is operating.

(@ 24VDC) 40mA continuous, minimum 500mA when motor is operating.

Higher capacity supply (1-4 Amps) is recommended for start-up inrush to achieve best operation under pre-load.

Electric Motor: No Solenoids.

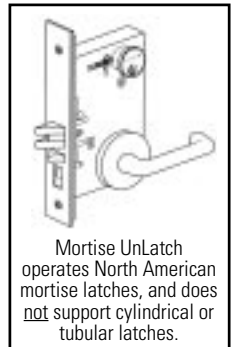
Operating Temperature Range: -20°F to 125°F

Stainless Steel Face with Metal Enclosure.

Supplied with 10 ft. Cable.

Mounting Fasteners Included.

U.S. Patents #5,474,342 and #6,022,056 with other U.S. and international patents pending



Mortise UnLatch operates North American mortise latches, and does not support cylindrical or tubular latches.

* Sargent 7800 and 8200 require tab kit model #STK-1 for retrofit installations. Tab kit not required for new construction assuming correctly prepared frame.

ORDERING INFORMATION

MUNL-12 for 12 VDC operation.

MUNL-24 for 24 VDC operation.

Part Number	Description	Price
MUNL-12	UnLatch For Mortise Locks 12VDC	\$360.00
MUNL-24	UnLatch For Mortise Locks 24VDC	\$360.00



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