



### Description

effeff 351 U80 12 or 24V electric lock for single or double action doors, including escape doors. Enables remote locking and unlocking. **Fail unlocked.**

Material:	Body	-	precision cast steel
	Face plate & strike	-	stainless steel
Finish:	stainless steel		

### Function

The locking bolt is held in the locked position by means of spring power. When closing the door, the bolt latches into the striking plate.

When power is applied to the strike, with the door in the closed position, the bolt will deadlock.

The distance between the strike and the striking plate can be adjusted by the use of spacers placed under the strike plate.

The 351 U80 is equipped with an armature and a trigger contact which are both potential-free switch over contacts. The armature contact can be used for monitoring the locking status.

### System requirements

Requires a regulated power supply of 12V DC or 24V DC (which ever is specified).

The door must be self closing.

**Accessories**

effeff<sup>®</sup> A0502-01  
Surface Housing

effeff<sup>®</sup> 80235-01  
Standard Strike

effeff<sup>®</sup> 80335-01  
Strike for thicker  
doors

**Applications**

The effeff 351 U80 can be used on single action or double action swing through doors and due to its slimline design can be fitted to the frame rather than the door. It is particularly useful on pairs of doors when locking can only be achieved by fitting into the top of the frame. The construction of the lock allows it to function in any mounting orientation, making it a very flexible option. (Not suitable for bottom rail mounting).

It is ideal for use on fire exit and fire route doors as it is designed to release under extreme side loading when fail unlocked operation is required. The specification will satisfy the requirements of both building control and fire officers. While it will operate under extreme side pressure, it is also pressure resistant to intrusion.

There are different requirements for fire resisting doors in Germany where this lock is manufactured, at the time of going to press with this literature the 351 is undergoing a UK fire test. If fire test documentation is required please contact our technical department.

Suitable for applications where electro-magnets have historically been specified as it offers 2 times the side load pressure of a standard magnet and releases instantly.

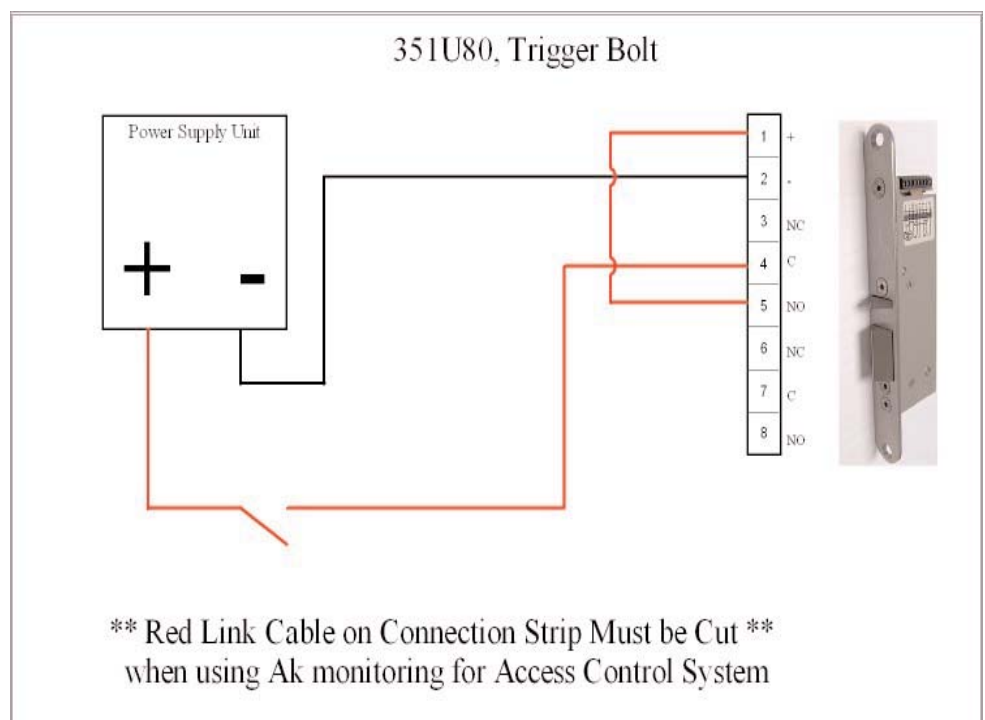
The A0502-01 Surface Housing allows the lock to be attached to the surface of glass doors as well as flush overpanel, both rebated and non-rebated.

### Technical data

Operating Voltage (tolerance range)	12V DC ( $\pm 1$ V)	24V DC ( $\pm 2$ V)
Rated resistance	37.0 Ohm	150.0 Ohm
DC current consumption (stabilized)	320mA	160mA
lock pre-load max.		5000 N
Break-in resistance		5000 N
Extension of latchbolt		10mm
Admissible distance between faceplate of lock and strike plate	2-4.5mm (recommended: 3mm)	

### Wiring diagram

The connection diagram shows the wiring when the lock is operated by a push button. If it is controlled by a more complex device, or operated via an access control device the corresponding wiring diagrams will be required.



**Dimensional drawing**

