

M100 Retrofit Fire Door Operators

The Simple Solution to Your Rolling Fire Door Frustrations

Conventional, old style fire door systems can cause more harm than good. Their potentially dangerous closing speeds, costly resetting requirements and difficult maintenance procedures can wreak havoc on your budget. **Plus, if not properly reset, their inability to perform in an emergency can threaten the life safety of building occupants.** Acknowledged as the most technologically advanced fire door systems available, M100 operators from Cornell can now be retrofit onto most existing fire doors to help eliminate these concerns.



M100 Chain



M100 Crank



M100 Motor Operated System

Your Challenges Today	After Retrofitting Your Existing Fire Doors With An Advanced, M100 Operating System
Each time a fire door is tripped or required drop testing is performed, the costly process of having qualified technicians restore the spring tension and reset the door is needed.	M100 operators are easily reset by facility personnel after automatic closing, saving you downtime and expense.
If spring tension has not been restored or is misapplied, occupants may improperly prop open the doors to allow access. Any of these conditions will prohibit your fire doors from functioning during an actual emergency.	Because M100 operators are easily reset by facility personnel after automatic closing, your doors can be returned to service immediately. Both your productivity and facility are protected.
The hassle of having to manually reset conventional fire doors discourages regular inspection. As a result, your doors may not be operational due to maintenance issues that have gone unnoticed.	Reliable M100 operators allow you to quickly and efficiently ensure that your fire doors are ready to respond when the need arises.
When tripped, the speed of conventionally governed fire doors continues to accelerate during automatic closing, threatening the safety of employees and equipment around the opening.	With the M100, your doors safely close at a controlled speed not exceeding 12" per second. Additional sensing devices are also available.



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SAFE AND SECURE

The Decision is Easy

- UL approval allows Cornell to retrofit the fire doors of most manufacturers with M100 operators.
- M100 operators are Factory Mutual (FM) approved.
- To meet your preferred method of operation, three M100 operators are available:
 - M100 Chain Operator
 - M100 Crank Operator
 - M100 Motor Operator
- All retrofit M100 Operator Systems are wired for activation by fire alarm systems such as smoke detectors or central building alarms, local detectors or power failure **without requiring connection to a separate alarm interface or fusible link release device.**
- Use M100 Operator Systems in application where maximum resetting convenience is desired, where activation by fire alarm system or smoke detector is desired or required and for units susceptible to frequent power outages.
- A full line of safety accessories are available for use with M100 operators.
- Retrofitting an M100 operator is easy and economical.

Typical M100 Retrofit Installation Photos



Typical conventional fire door mounted in a critical pathway. Downtime is costly and resetting is problematic.



Conventional fire door chain operator, governor and complicated drop out mechanism.



Installation of M100 Retrofit unit. Spring tension of door is temporarily relaxed.



Existing operator, governor and dropouts are removed and discarded.



Door is prepped for new M100 operator.



Installation of M100 Operator is quick and easy. All mounting brackets and hardware is provided.



Installer prepares to mount the floor level pull cable.



Installers reattach existing fusible link to new operator.



M100 Chain Operator installed and emergency ready.



Door is now fully operational. Typical installation time is approximately 2 hours.

Since we opened our doors in 1828, Cornell has led the industry in providing only the highest quality products and unmatched support. Whether seeking quality, performance, reliability or overall satisfaction, customers have always known that they're Safe and Secure with Cornell.



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