



ROLLING FIRE DOOR

PRODUCT SYSTEMS



The Cookson Company

A FIRE DOOR FOR EVERY OCCASION

The Purpose of a Fire Door System

- Protect property by limiting damage in case of a fire.
- Make a building safer to occupy.
- Close an opening in a fire wall.

The Cookson Company offers the widest variety of state-of-the-art fire door systems, each with specific features and benefits designed for any type of installation. The selection of a fire door system should be based on the characteristics of a fire door opening.

Fire Door Opening Characteristics

ACCESSIBILITY

The fire door is either completely and easily accessible, or portions or all of the fire door are built into the walls and/or ceilings.

TRAFFIC CONCENTRATION AROUND THE OPENING

The number of people who will be around or near the opening.

TESTING REQUIREMENTS

All Fire Door Systems must be tested at least once a year according to Building Codes (NFPA 80). Some fire door openings require testing of the fire door system on a more frequent basis.

POWER FAILURES

Power failures can cause some fire doors to close automatically even if there is not an actuation of the Fire Alarm System.

Important Fire Door System Characteristics

RELIABILITY

Cookson Fire Door Systems provide dependable closings because of their simplicity of design. They are easy to operate and automatically close when there is a fire.

DURABILITY

Many fire doors on the market today are not made to operate frequently or withstand periodic testing. Their design subjects the releasing mechanism to extreme impact, which can affect the reliability of the door closing in future tests and require frequent repairs. Cookson Fire Door Systems, designed to operate for 50,000 cycles, are manufactured to withstand frequent testing without subjecting any parts to impact. The benefit is that Cookson Fire Door Systems are designed to last.

VALUE

Cookson Fire Door Systems are the most cost effective way of protecting property while increasing the safety of the building for occupants.

Cookson Fire Door Systems are designed to provide years of dependable service, while ensuring the best value in the industry - *truly a fire door for every occasion.*



FD-2A CHAIN OPERATED SYSTEM



FDO-A MOTOR OPERATED SYSTEM

FDO-B MOTOR OPERATED SYSTEM
(Built-In Battery & Voice Module)



The Fire Door Product
SYSTEMS
by Cookson





Selecting a Fire Door System

Selection of a properly designed fire door system can impact the safety and operating costs of the building for years.

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Fire Door Actuation is Important

Fire doors can be actuated (closing of the door in the event of fire) by either heat detectors (thermal fusible links) or smoke detectors / building alarm systems. Although all Cookson Fire Door Systems can be actuated by heat detectors, it is The Cookson Company's recommendation that all fire doors be actuated by smoke detectors or building alarm systems. This provides an earlier closing of the door, thus limiting smoke related property damage and increasing occupant safety.

The Cookson Company has developed several fire door systems to meet the requirements of different fire door openings. All Cookson Fire Doors have been developed as complete systems and are the most ...

dependable, reliable and cost effective...

... systems available.



COOKSON FIRE DOOR PRODUCT SYSTEMS

SIMPLE-TEST™ MANUAL FIRE DOORS

This group of fire doors requires manual resetting by a trained technician after the system has been tested or actuated. All Simple-Test Fire Doors feature Cookson's exclusive *Sure-Close™* release spring, which can be reset from one side of the door. Available in push-up, chain and crank operation, Cookson's Simple-Test Fire Doors are more reliable and easier to reset than any other fire door, thus reducing resetting time from hours to minutes.

Cookson recommends all Simple-Test Fire Door Systems be actuated by smoke detectors or building alarm systems utilizing one of Cookson's FireFly releasing devices.

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SIMPLE-TEST SYSTEM WITH FireFly III

This system utilizes Cookson's FireFly III solid state, fail-safe, releasing device with built-in variable time delay to eliminate premature closings due to power failures. The Firefly III is wired directly into the building alarm control panel and is supported by the building alarm control panel emergency power source.

Upon activation of the building alarm system, the fire door will automatically close after a set time delay. Although most building codes allow a maximum time delay of 10 seconds, the FireFly III can be set for a maximum delay of 60 seconds. In case of power failure the building alarm control panel emergency power source will power the Firefly III and the door will not close unless there is an alarm activation.

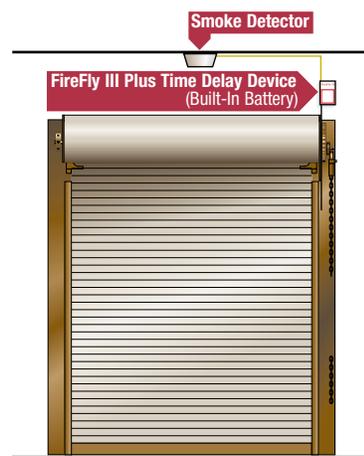
SIMPLE-TEST SYSTEM WITH FireFly III PLUS (Built-In Battery)

This System has all the features of the Simple-Test Fire Door System with Firefly III plus a built in battery that can power up to 2 smoke detectors and /or sounder strobes for as long as 72 hours in the event of a power failure. This provides fire protection during power failure, preventing unnecessary door closings, without the expense of a central battery back-up system.

SIMPLE-TEST™ MANUAL FIRE DOORS



Simple-Test Fire Door System with FireFly III



Simple-Test Fire Door System with FireFly III Plus (Built-In Battery)



For more detailed information including drawings and specifications, visit cooksondoor.com

AUTO-TEST™ FIRE DOOR SYSTEMS

The Cookson Auto-Test Fire Door Systems reset automatically after being tested or actuated. Once the alarm has been cleared, the System is automatically ready for the next test or actuation, thus eliminating the need for a trained technician to reset the fire door. Cookson Auto-Test Fire Door Systems, the most reliable, durable fire door systems available, are actuated by smoke detector or building alarm systems.

FD-2A CHAIN OPERATED SYSTEM

The Cookson Auto-Test Chain Operated Fire Door System is a completely automated, manually operated fire door system. In normal operating mode, the door can be opened and closed with the chain operator. Upon actuation, the fire door will automatically close. Once the smoke detector or building alarm system has been cleared, the fire door will automatically return to the normal operating mode without mechanical resetting and the door can be opened and closed using the chain operator. In case of power failure, the fire door will automatically close. The resumption of power will reset the fire door to normal operating mode. 24VAC, 24VDC or 120VAC is required to power the FD-2A. Backup power can be used from a building alarm control panel.

The Cookson Auto-Test Chain Operated Fire Door System is the most reliable and durable manually operated fire door system available. It features totally automatic resetting of the fire door after an alarm actuation or power failure.

FDO-A / FDO-A10 MOTOR OPERATED SYSTEMS

The FDO-A (FDO-A10 for counter door applications) Fire Door System is a totally automated motorized fire door system. It has the same features as the Auto-Test Chain Operated Fire Door System, with the added safety and ease of opening and closing the door using a motor operator. Upon actuation, the fire door will automatically close, and Cookson's Test-A-Fire logic will reverse

Test-A-Fire Operating Logic

The Cookson Company was the originator of the Test-A-Fire operating logic which is used in all Cookson Auto-Test Motor Operated Fire Door Systems. If during an alarm closing the fire door contacts an obstruction, it will reverse to the fully opened position and then close again. If after the third attempt the fire door still contacts an obstruction, it will rest on that obstruction until it is removed, at which time the fire door will completely close.

the door if it contacts an obstruction. Once the smoke detector or building alarm system has been reset, the fire door automatically returns to normal operating mode without mechanical resetting and can be opened and closed using the operator. In case of power failure, the fire door will automatically close. The resumption of power will reset the fire door to normal operating mode.

FDO-B MOTOR OPERATED SYSTEM (Built-In Battery & Voice Module)

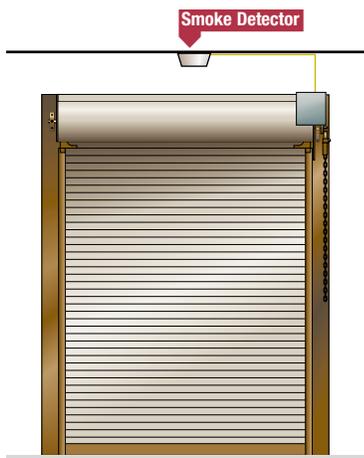
The Cookson FDO-B Auto-Test Fire Door System has all of the automated features of the FDO-A as well as a built-in battery that prevents automatic closure due to power failure. The FDO-B also features Cookson's exclusive "Soft-Close™" RPM governing system and a voice module with speaker strobe light that announces the door closing.

Upon activation of smoke detectors or building alarm system, the voice module announces that the fire door is now closing. Cookson's Soft-Close™ governing system limits the closing speed to a maximum of 9" per second. Upon the clearing of the alarm system, the Auto-Test Fire Door System automatically resets itself and is ready for the next fire test or actuation. The built-in battery eliminates nuisance closings due to power failures for up to seven days, and the voice module notifies occupants that there has been an alarm activation and that the door will be closing.

The Cookson top-of-the-line FDO-B Auto-Test Motor Operated Fire Door System is fully automated and is furnished with safety features unavailable from any other manufacturer. The FDO-B Fire Door System offers maximum reliability and durability at a cost effective price.

AUTO-TEST™ FIRE

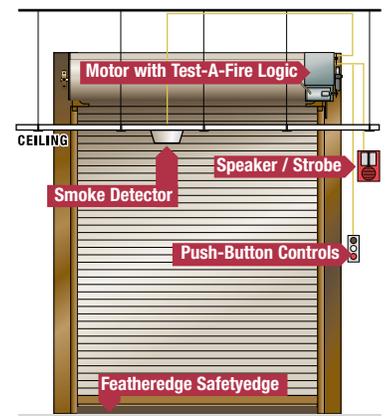
DOOR SYSTEMS



FD-2A Auto-Test Chain Operated Fire Door System



FDO-A Auto-Test Motor Operated Fire Door System



FDO-B Auto-Test Motor Operated Fire Door System
(Built-In Battery; Voice Module)

SYSTEM SELECTION GUIDE

Since all fire door openings are not the same, Cookson has a fire door system for every fire door opening. To determine the correct Cookson Fire Door System for any specific opening, review the selection criteria below.

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ACCESSIBILITY

- Completely Accessible
- Not Completely Accessible

**Simple-Test™
Fire Door with
FireFly III**

**Simple-Test™
Fire Door with
FireFly III Plus
(Built-In Battery)**

**FD-2A
Auto-Test™
Chain Operated
Fire Door**

**FDO-A/FDO-A10
Auto-Test™
Motor Operated
Fire Door**

**FDO-B
Auto-Test™
Motor Operated
Fire Door
(Built-In Battery
& Voice Module)**



TRAFFIC CONCENTRATION

- Low concentration of general public around fire door opening (okay for door to close during non-alarm power failure)
- Moderate concentration of general public around fire door opening (okay for door to close during non-alarm power failure)
- High concentration of general public around fire door opening (door should not close during non-alarm power failure)



TESTING REQUIREMENTS

- Annual
- More frequent than annual



POWER FAILURES

- Infrequent
- Moderately Frequent
- Very Frequent



USE OF DOOR

- 10 cycles or less per day
- More than 10 cycles per day



TYPICAL APPLICATIONS

Suggested Uses

Mfg. Facilities
Warehouses

Mfg. Facilities
Warehouses

Mfg. Facilities
Warehouses
Stadiums
Sports Arenas
Convention Centers

Mfg. Facilities
Warehouses
Stadiums
Sports Arenas
Convention Centers

All
Building
Types



AUXILIARY DEVICES



Smoke Detector

Actuates fire door systems sooner than heat detectors, thereby limiting property damage and increasing occupant safety. (Optional)



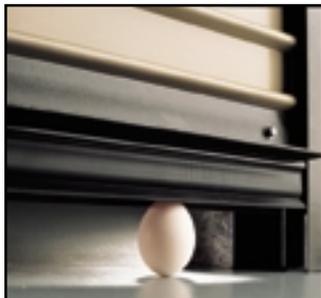
Sounder Strobe

Flashes a bright light and sounds an alarm to warn any person nearby of possible danger. Available with Simple-Test Fire Door with FireFly III Plus and Auto-Test FDO-A Motor Operated Fire Doors. (Optional)



Speaker Strobe

Included as standard equipment with the FDO-B Auto-Test Motor Operated Fire Door System. This device flashes a bright light and announces that the door will be closing. Helps prevent panic.



Cookson Featheredge™ or Phantom Featheredge™

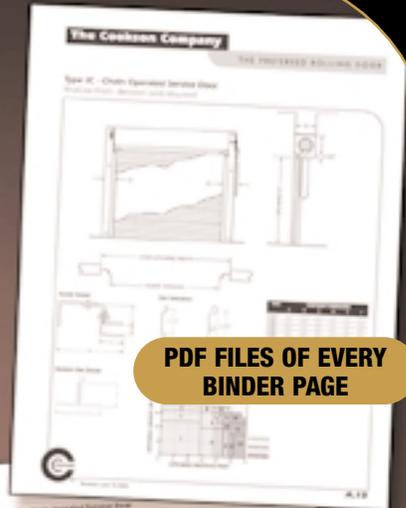
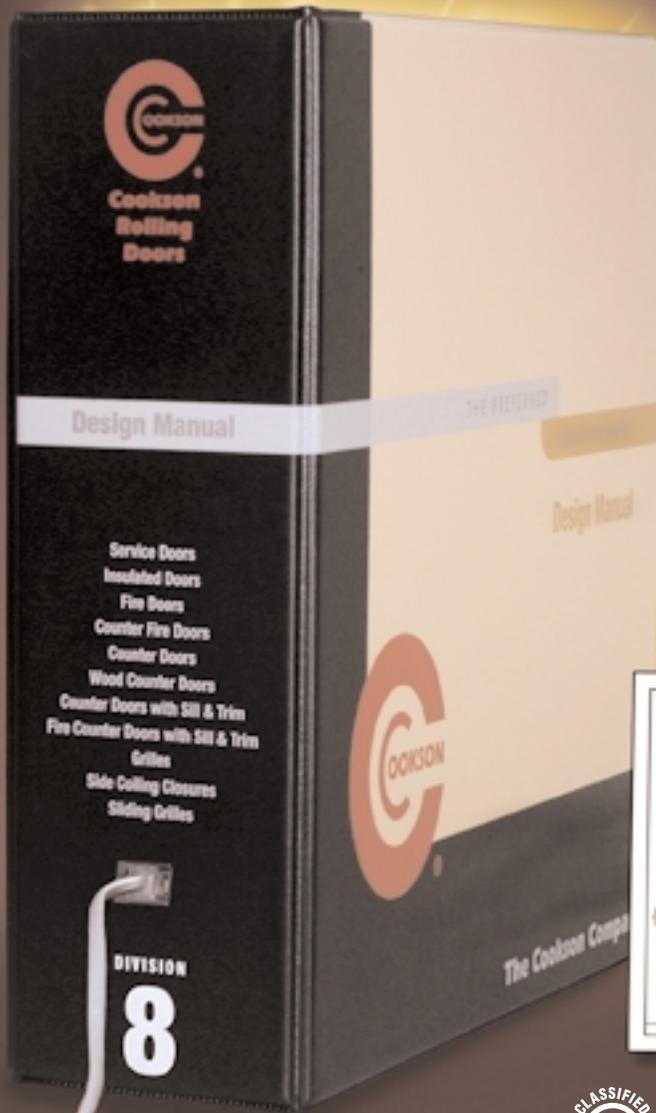
Cookson introduces the new wave in door safetyedge technology. The Featheredge does not rely on pressure, electrical contacts or volumes of air to reverse a door. Instead, when an object slightly touches the bottom of a motor operated fire door, air waves are created to reverse the downward descent of the door. The Featheredge is standard equipment on FDO-A and FDO-B Motor Operated Fire Door Systems. For added protection without the use of a connecting cord, the Phantom Featheredge can be used on all FDO-A/FDO-A10 or FDO-B doors. The Phantom Featheredge is a wireless, failsafe safety edge system with self diagnostic testing for added dependability.



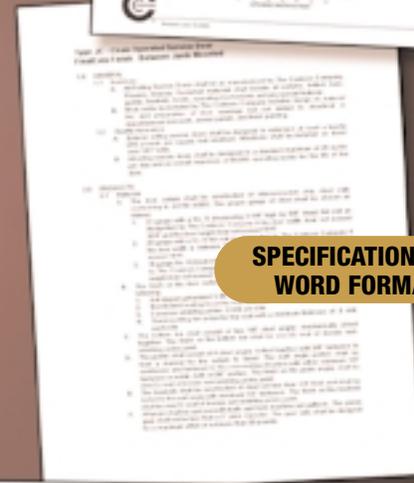
THE PREFERRED ROLLING FIRE DOOR

cooksondoor.com - UPDATED DAILY

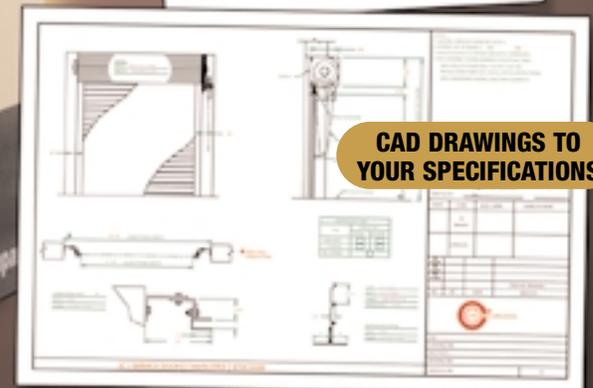
The Cookson Company provides the most comprehensive Internet source for rolling door product information. In fact, PDF files for more than 1,400 Cookson Design Manual pages, specifications in Word format, and interactive CAD drawings to exact dimensions based on specific door types and sizes are available.



PDF FILES OF EVERY BINDER PAGE



SPECIFICATIONS IN WORD FORMAT



CAD DRAWINGS TO YOUR SPECIFICATIONS



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