



## SIMPLE-TEST™

## FIRE DOOR CLOSING SYSTEMS

The Cookson Company, Inc. is the leading manufacturer of rolling fire doors utilizing simple, safe, and reliable Simple-Test, automatic resetting fire door systems. These systems close fire doors without releasing spring tension or disengaging the operator drive mechanism. Available in chain, crank or motor operation, Cookson has an operator for any rolling door need. Save money on daily operation, testing, and resetting with a Simple-Test operator.

### Operating System Benefits:

- Close fire rated doors without releasing spring tension, avoiding dangerous resetting process.
- Fuselink activated.
- Simple system reset by reconnecting the fuselink.
- Annual inspection by a trained fire door system technician is required.
- Systems will not automatically close upon power failure.
- Economical

### Recommended Simple-Test Fire Door Closing System Applications:

- Opening is not a pedestrian thoroughfare.
- Connection to Central Alarm System or Local Smoke Detectors is not required by local building officials.
- Applications where the installation of fusible links, turnbuckles, chains and eyebolts to the face of both sides of the wall above the opening will not detract from the intended aesthetics.

### SIMPLE-TEST™ MOTOR OPERATORS



UL and FM listed, industrial duty gear head operator recommended for units that normally cycle up to 20 times per day. HP available: 1/3, 1/2 and 3/4. Available for Fire Doors, Insulated Fire Doors, and Counter Fire Doors.

#### Features and Benefits:

- Economical.
- Spring tension is not released upon fuselink closing.
- Convenience of motor operation.
- Auxiliary Chain for emergency operation, just pull to operate.
- Average closing speed of 6 - 24" per second.

**Options:** Floor Level Test Switch, Sensing Devices, Releasing Devices, Battery Back-Up.

### SIMPLE-TEST™ CHAIN AND CRANK OPERATORS

For use on Fire Doors, Insulated Fire Doors, and Counter Fire Doors.

#### Features and Benefits:

- Economical.
- Power not required.
- Spring tension is not released upon fuselink closing.
- Maximum closing speed of 12" per second.


**Options:** Floor level Test Switch, Releasing Devices, Battery Back-Up.




### SIMPLE-TEST™ SYSTEM ACCESSORIES

#### UL 325 Compliant Entrapment Protection Devices

Per UL 325-2010, doors without a connected and properly functioning primary entrapment device will only function by constant pressure close operation. The primary entrapment protection devices below enable momentary contact to close operation.

- ELR Electric Sensing Edge** - 2 wire monitored electric sensing/smoke seal edge. Contact with the edge before the door fully closes causes the door to immediately stop downward travel and reverse direction to the fully open position. Provide a retracting safety cord and reel or a self-coiling cable connection to control the circuit.
 

- Photo Eyes** - Interruption of the beam before the door fully closes causes the door to immediately stop downward travel and reverse direction to the fully open position.
 

#### Floor Level Test Device for Simple-Test Chain and Crank

Safely and conveniently test and reset the fire door at floor level rather than by the fuselink above the coil. Designed for surface mounting.



#### Release Devices for Simple-Test Operating Systems

Electro-mechanical devices enable automatic closing fire doors to respond to alarm signals from detection devices such as smoke detectors, heat sensors and central alarm signals, permitting doors to close long before high temperatures melt fusible links.



##### Firefly IV MV™

A fail-safe and UL listed tri-voltage releasing device that accepts 120 or 24 VAC or 24 VDC input voltage. Does not require or have a battery back-up system or require up front electrical coordination with alarm system providers. Down limit detection prevents mechanical release of a fully closed door upon alarm signal: requires closed door signal.



##### Firefly III Plus™

A fail-safe and UL listed tri-voltage releasing device that accepts 120 or 24 VAC or 24 VDC input voltage. Made to be a standalone releasing device that does not need to, but can, be connected to a building central alarm system. It has all the features of the 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 failures, preventing unnecessary door closings, without the expense of a central battery back-up system.



##### Firefly III™

Made to connect to a building central alarm system. It is powered by 24V DC power wired directly to a building central alarm control panel and is supported by the building alarm control panel emergency power source. In case of building power failure, the fire alarm control panel emergency power source will power the Firefly III and the door will not close unless there is an alarm activation.

\*Note that all Auto-Test systems do not require an additional mechanical release device to respond to alarm signals from detection devices.


#### Battery Back up Devices

Available for Firefly IV Release Device above used on Simple-Test doors. Prevents the door from closing due to a power failure for 16 hours. Note that if both a release device and a battery back-up system are desired, an Auto-Test Fire Door system is recommended.



#### Fire Door Annunciators

Optional safety devices that provide a visual and/or audible advanced warning when the door is about to close. Can be activated upon alarm signal or loss of power when supported by a battery back-up device.

- Horn Strobe** - ADA compliant, 24 VDC warning devices that are powered by a release device power source to provide an advanced fire door closing warning. Activation upon alarm signal and power failure and/or alarm signal only depending on release device.
 

- Voice Warning Module** - An ADA compliant warning device. Provides up to four different voice warning messages upon activation. Messages are in English and are field selectable.
 