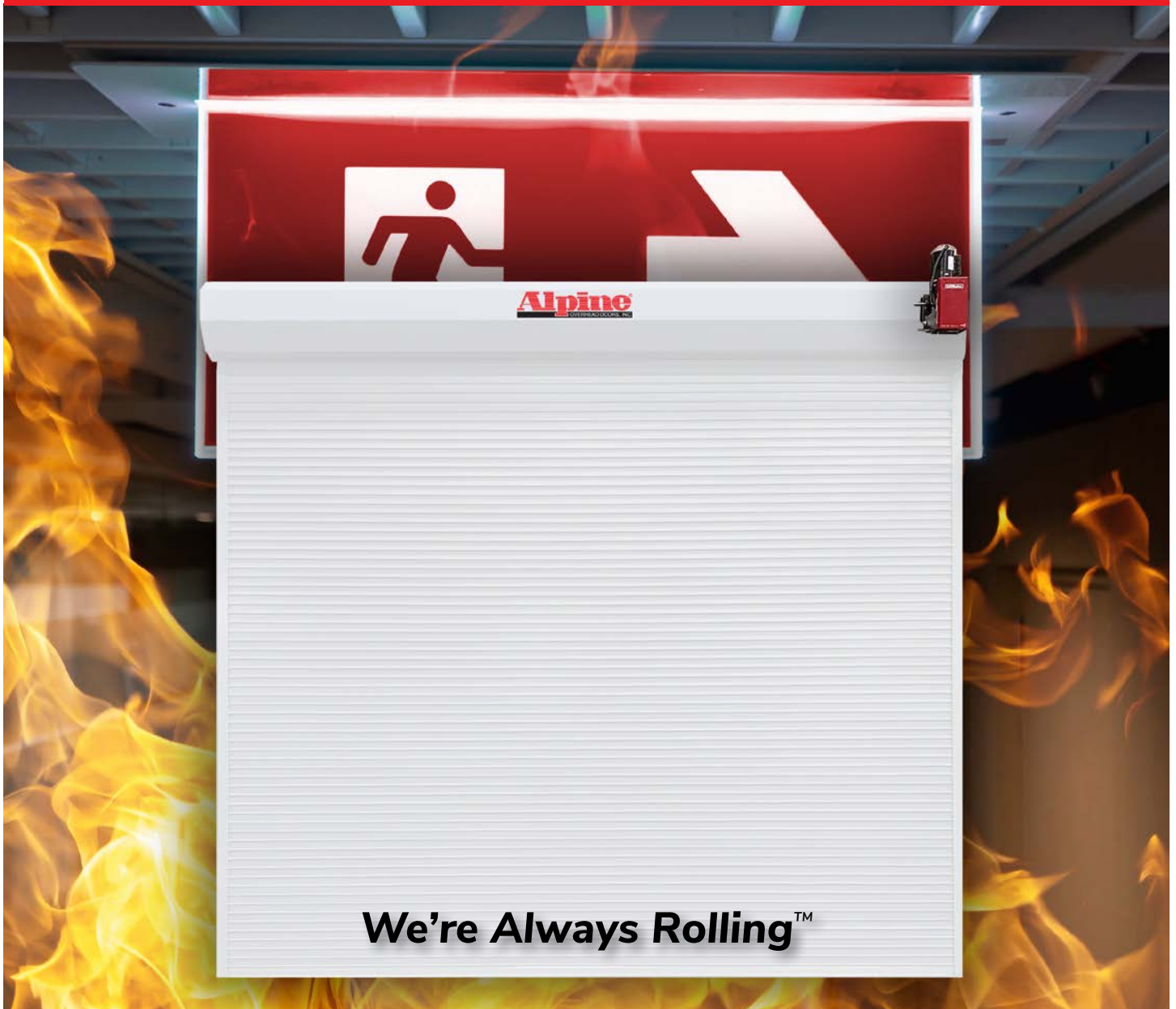




**Manufacturers of Superior Quality
Rolling Steel Doors Since 1972**

Fire & Smoke Doors

UL Tested and Approved Fire Protection • Automatically Closing



We're Always Rolling™

www.AlpineDoors.com

Fire Door Systems for Your Exact Needs

Conventional • Auto Reset • Insulated • Smoke Sealed • Wind Resistant

Alpine's Fire-Tite® and Fire-Storm® fire and smoke rated rolling door systems are UL tested and approved as fire protection. They may also be utilized as standard service doors. Our overhead fire doors will close automatically in the event of a fire with various means of activation. They are offered as both conventional and auto resettable, and optionally as insulated doors. We provide a wide range of configurations, options and accessories to accommodate virtually any rolling fire door need — from standard installations to the most demanding applications and environments.



General Features

- These doors provide access control and security protection under normal use and will close automatically in the event of a fire, serving as fire stopping to contain the spread of a fire
- Conventional design offers a push-up operation product (max. 10'x 10'), where Auto Fire-Tite® products do not
- Hand chain or motor operation available for larger sizes
- Fire-Storm doors offer added protection against high winds, storms and hurricanes

Available Classifications

- **3 Hour approved** fire rated (optional 4 Hour) for fire doors and roll up fire shutters in dividing fire walls with openings not exceeding 152 sq. ft. in area
- **1.5 Hour approved** for metal fire doors in vertical shaft openings not exceeding 152 sq. ft. in area
- **.75 Hour approved** for rolling fire safe doors and interior or exterior fire shutters in corridor or room-partition opening not exceeding 152 sq. ft. in area
- **1.5 Hour approved** for doors in exterior wall opening not exceeding 152 sq. ft. in area for fire doors
- **4 Hour rated (optional)** – Consult factory for more information
- Fire rated doors over 152 square feet will receive a Classified UL label marked “OVERSIZE ROLLING STEEL FIRE DOOR” that includes the hourly rating as well as the certification number
- **UL Smoke Label available**



Alpine's Fire-Tite® doors ensure security and fire protection and are listed and/or classified by:

- Underwriters Laboratories, Inc., (U.L.)
- Underwriters Laboratories of Canada, Inc. (U.L.C.)
- NYC MEA Approved
- Factory Mutual (F.M.) *Flame Drop Baffle Required*



Conventional vs Auto-Reset Fire Doors

We offer both conventional and auto resettable models designed to meet your needs and your budget. A variety of release devices are available for either configuration.

Conventional Models

- Activated by 165° fusible link
- Lowest upfront cost available
- Manual push up, hand chain, or Redi-Hoist® or Redi-Lift™ motor operation
- Max size: up to 18'x16'
- Lower initial cost
- Upon activation by fire or fire alarm, conventional doors have to be reset manually

Auto-Reset Models

- In the event of power failure, fire alarm signal, break of fusible link, or True-Test activation, both the centrifugal governor and constant hold brake release. This automatically allows the fire door motor operators to cycle.
- Doesn't need to be mechanically reset after testing; eliminates resetting costs
- Normal or automatic speed is consistently controlled on the motor operated door panel for safer exiting
- Hand chain, hand crank, electronic (fail-safe) Redi-Reset® motor operation
- Max size: 70'x40', consult factory for larger sizes

Operator/Release Device Compatibility

Conventional Models

Model	XP 50/60 Hz	XPBB 50/60 Hz	AFCB 60 Hz
GH	✓	✓	✓ *Add FDR Card
H	✓	✓	✓ *Add FDR Card
MGJ	✓	✓	✓ *90-MLAFCB
DHJ	✓	✓	✓ *Add FDR Card
Conv. Fire Chain	✓		
Conv. Fire Crank	✓		
Push-up	✓		

Auto-Reset Models

Model	Release Device:			Inherent Release Device
	AR-C 50/60Hz	AR-D2 50/60Hz	AR-D 50/60Hz	
Redi-Reset® FGH	✓ *2HP & UNDER	✓	✓	
Redi-Reset® FX	✓ *2HP & UNDER	✓	✓	
Redi-Reset® FDC				✓
Redi-Reset® FDCL				✓
Redi-Reset® FS				✓
Redi-Reset® FHC	✓	✓	✓	
Redi-Reset FHK®	✓	✓	✓	

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Auto Fire Door Release Device Functionality

Features	Description	AR-C	AR-D	AR-D2	Redi-Reset FS*	Redi-Reset FDC*	Redi-Reset FDCL*	Redi-Reset FGH†	Redi-Reset FHK†	Redi-Reset FHC†
Alarm Activation	Initiated by local detectors or fire alarm control panel and Form C dry contact	✓	✓	✓	✓	✓	✓			
Time-Delayed Activation	Delays allow time for passage clearance prior to closing (Default 10 sec, max 60 sec)	✓	✓	✓	✓	✓	✓			
Internal Battery Backup with Charging System	Provides power to the release device and connected devices in event of loss of power		Opt R-BBU	✓	Opt R-BBU	✓	✓		Opt R-BBU	Opt R-BBU
Inherent Release Device	Closing upon loss of power	✓			✓	✓	✓			
Automatic Reset	Door resets automatically after alarm clears or power restored	✓			✓	Button	Button	Manual	Manual	Manual
Fuseable Link		Opt	✓	✓	Opt	Opt	Opt	✓	✓	✓
Key Test Switch		Opt	Opt	Opt	Opt	✓	✓			
Multiple Power Options	120VAC, 24VAC, 24VDC	✓	✓	✓	✓	✓	✓			
Power for Detection Devices	Provides power for accessories such as smoke detectors	✓	✓	✓	✓	✓	✓			

*Inherent release device | †Add release device for alarm tie-in or for failsafe functionality

Conventional Fire Door Release Device Functionality

Features	Description	LM21XP	LM21XP-BB	LM21AFCB
Non-Motorized Door	Compatible with chain or crank operated doors	✓	✓	✓
Motorized Door	Compatible with motor-operated doors	✓	✓	✓
Form C Dry Contact Initiation				✓
Time-Delayed Activation	Delays allow time for passage clearance prior to closing (Default 10 sec, max 60 sec)	✓	✓	✓
Testing Function	Allows for testing w/o activation of smoke detector or alarm	✓	✓	✓ Remote Test switch*
Close Door Detection	Prevents door reversal if the door is kept in the closed position	✓	✓	✓
Power for Detection Devices	Provides power for accessories such as smoke detectors		✓	✓
Multiple Power Options	120VAC, 24VAC, 24VDC		✓	
Obstruction Cycling				✓
Internal Battery Backup with Charging System	Provides power to the release device and connected devices in event of power loss		✓	✓

*Included with release device

Fire Door Models

All models available with insulated curtains and/or smoke rated configurations

Model	Guide Type	Slat Type(s)	Gauge	Max Dimensions	Finish
Fire-Tite® Manual Reset Conventional Fire Door <i>Available as insulated/ smoke rated</i>	Structural Steel	2-3/4" Flat 3" Curve 4" Curve	22, 20, 18, or 16 ga	13'6" x 12' or up to 56' x 30' with Oversize UL Label	Galvanized, Pre-Painted Baked Enamel Exo-Shield™ Powder Coat Stainless Steel #4 & Mill Finish
Auto Fire-Tite® Easy Reset Fire Door <i>Available as insulated/ smoke rated</i>	Structural Steel	2-3/4" Flat 3" Curve 4" Curve	22, 20, 18, or 16 ga	13'6" x 12' or up to 56' x 30' with Oversize UL Label	Galvanized, Pre-Painted Baked Enamel Exo-Shield™ Powder Coat Stainless Steel #4 & Mill Finish
Fire-Storm® Manual Reset Wind Resistant Fire Door FBC & Dade County Wind Load Approved: Missile Impact Tested <i>Available as insulated/ smoke rated</i>	Structural Steel with Wind Bar	2-3/4" Flat	Front slat: Min 22 ga, Option: 20, 18, 16 ga steel Back slat: Min 24 ga, Option: 22, 20 ga steel	Consult Factory	Galvanized, Pre-Painted Baked Enamel Exo-Shield™ Powder Coat Stainless Steel #4 & Mill Finish
Auto Fire-Storm® Wind Resistant Fire Door FBC & Dade County Wind Load Approved: Missile Impact Tested <i>Available as insulated/ smoke rated</i>	Structural Steel with Wind Bar	2-3/4" Flat	Front slat: Min 22 ga, Option: 20, 18, 16 ga steel Back slat: Min 24 ga, Option: 22, 20 ga steel	Consult Factory	Galvanized, Pre-Painted Baked Enamel Exo-Shield™ Powder Coat Stainless Steel #4 & Mill Finish

>> Specifications Continue on Next Page

Options

Flexibility is at the heart of Alpine's design and manufacturing process. We offer a variety of options to accommodate your requirements. Typical options are listed below. If you need something else, please give us a call. We're happy to help with all of your rolling fire door needs.

- **Locking** - slide locks or key operable slide cylinder locks available on all models
- **Insulated Slats** - insulated metal back slats are available when increased thermal protection, weatherproofing or storm ratings are required
- **Smoke Rating & Labeling** - doors can be outfitted with smoke seals to achieve an "S" rating for smoke leakage
- **Powder Coating** - Alpine's Trademarked Exo-Shield™ powder coating is available in a variety of colors to enhance a door's overall aesthetic
- **Access Controls** - optional NEMA certified push button and key control stations are offered, including remote access controls



Fire Door Models

All models available with insulated curtains and/or smoke rated configurations

Model	Life Cycle	Operation	Safety Accessories	Fire Rating (FM/UL)	Warranty	Wind Load
Fire-Tite® Manual Reset Conventional Fire Door <i>Available as insulated/ smoke rated</i>	20,000 Life Cycles Standard	Push up, Hand Chain, Hand Crank or Electric Operator Redi-Release® Fire Door release devices available	Photo Safety Sensors Electric Sensing Edge	3/4 Hour 1-1/2 Hour 3 Hour 4 Hour	1 Year Limited	20 PSF standard*
Auto Fire-Tite® Easy Reset Fire Door <i>Available as insulated/ smoke rated</i>	20,000 Life Cycles Standard with Option to 200,000 Cycles	Redi-Reset® Motors Redi-Reset® Hand Chain Redi-Reset® Hand Crank	Photo Safety Sensors Electric Sensing Edge	3/4 Hour 1-1/2 Hour 3 Hour 4 Hour	2 Year Limited	20 PSF standard*
Fire-Storm® Manual Reset Wind Resistant Fire Door FBC & Dade County Wind Load Approved: Missile Impact Tested <i>Available as insulated/ smoke rated</i>	20,000 Life Cycles Standard	Push up, Hand Chain, Hand Crank or Electric Operator Redi-Release® Fire Door release devices available	Photo Safety Sensors Electric Sensing Edge	3/4 Hour 1-1/2 Hour 3 Hour 4 Hour	1 Year Limited	+/- 60 PSF, 1.5 safety rating (Dade County, UL and FBC Certified)*
Auto Fire-Storm® Wind Resistant Fire Door FBC & Dade County Wind Load Approved: Missile Impact Tested <i>Available as insulated/ smoke rated</i>	20,000 Life Cycles Standard with Option to 200,000 Cycles	Redi-Reset® Motors Redi-Reset® Hand Chain Redi-Reset® Hand Crank	Photo Safety Sensors Electric Sensing Edge	3/4 Hour 1-1/2 Hour 3 Hour 4 Hour	2 Year Limited	+/- 60 PSF, 1.5 safety rating (Dade County, UL and FBC Certified)*

*Higher wind loads available, consult factory

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- Cut sheets and 3-part specifications for all standard products
- Standard drawings
- Online CAD drawing generator
- Product catalog



FEMA



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We're Always Rolling™