



Standard Slide Locks

### FIRE-STORM LABELING

Fire Storm Doors have been UL classified and listed under the UL Category, "Products for use in Windstorm-Rated Assemblies - ZHLL", and were Miami-Dade County Tested for Protocols, **PA-201, PA-202 and PA-203**. Alpine Smoke-Fire Doors have been **UL Classified** and listed under the Product Category : **Rolling-Steel Type Fire Doors - GSVV.R**.

Ratings : 4 HR, 3 HR, 1-1/2 HR, 1 HR or 3/4 HR.  
 Sizes : Classified for openings up to 20'wide X 30'high.

Manufacture Florida Department Of Community Affairs Fire-Storm Insulated doors with a design pressure of +60 psf & -60 psf, 1.5 Safety factor, 90+/- psf, by Alpine.

### INSTALLATION

- \*The opening preparation and the installation of the fire door shall be performed in strict compliance with NFPA-80.
- \*Opening preparation, miscellaneous or structural metal work, access doors, finish or field painting, field electrical wiring, wire, conduit, fuses and disconnect switches are in the Scope of Work of other divisions or trades.

See WIND-TITE / SERV-DAWN in this catalog for larger doors and custom design windload specifications. Programs are designed and reviewed by Professional Engineers.



### APPLICATION AND USE

ISO 9001 Registered Company  
 Alpines Fire-Storm Doors are widely used in locations where there exists high winds and high levels of storm weather activity. Throughout the Florida Coastline and many other coastal locations the Alpine Fire-Storm doors have proven successful in protecting both people and property from injury due to flying debris.

### THE ALPINE ADVANTAGE AND BENEFIT

- Alpine's Fire-Storm doors ensure security and fire protection and are listed and/or classified by:
  - Underwriter's Laboratories, Inc., (U.L.),
  - Underwriter's Laboratories of Canada, Inc. (U.L.C.),
  - Factory Mutual (F.M.) \*Flame Drop Baffle Required\*
- Make-To-Order manufacturing process. Alpine builds your product to the exact size specified by you.
- All of our products are constructed to have a rigid and compact design which provides for a more structural grade product while reducing overhead space and obstruction.
- Alpine builds trust by providing our products with a 2-year warranty on material and workmanship. As we also offer an optional five-year pro-rated warranty. Please call factory for more information on our pro-rated warranties.
- We are an ISO 9001 registered firm which ensures you that our products are built with true quality you can count on.

### FUNCTIONAL BENEFITS

- Reduced cost and time with testing and/or resetting of fire door.
- Eliminates all mechanical fire gears on brackets and manual resetting of spring tension.
- 10 second time delayed close option available. This option prevents the door from immediately self-closing due to a smoke alarm or power failure.
- Designed for a safer, slower, uniform closing speed of an average rate of not more than 9" (nine inches) per second.
- All resetting is completed at the floor level by pushing the "open" button at the control station for motor operated doors or disengaging the pull cable for hand chain and/or hand crank operated doors.
- Resetting procedure performed within minutes by facility maintenance personnel during routine resetting, reducing door downtime and eliminate the additional need for a door technician to mechanically reset the door for purposes other than an actual fire event or annual door inspection which require a trained fire door technician.

### OTHER RELATED PRODUCTS





### DOOR CONSTRUCTION

#### CURTAIN

Constructed of Interlocking, 2 3/4" Flat Slats: Roll-form galvanized steel G90 coating exterior (G60 interior), Structural Quality Grade C (ASTM A653/A653M) in 22 Gau

**Standard Finish:** Galvanized

**Optional Finish& Material:** Prime Painted or Stainless Steel. Optional Gauges in 20 and 18. (Finish Options: phosphate, baked enamel or powder coated.)

#### GALVANIZED ENDLOCKS

Hot dipped galvanized cast iron endlocks and windlocks riveted to the ends of every slat, with (4) four, 1/4" rivets.

#### BOTTOM BAR

Two galvanized steel angles equipped with vinyl weatherstripping which extends into the guides. Standard finish galvanized as per ASTM A 653/A 653 M.

**Standard Finish:** Galvanized

**Optional Finish& Material:** Prime Painted or Stainless Steel.

#### GUIDES

Guides are designed to meet Florida Department Of Community Affairs specifications using structural angles, ASTM A36. For doors up to 12'-0" WIDE X 30'-0" High, wall angle 3 X 2-1/2 X 1/4", inside angle 2-1/2 X 2 X 1/4", outside angle 3 x 3 x 3/16" min, bolt spacing not more than 15" o/c. For door widths 20'-8" to 30'-0" high, wall angle 3-1/2 x 3-1/2 x 7/16" min, inside angle 2-1/2 x 2-1/2 x 3/8" min, outside angle 4 x 3 x 1/4" min, bolt spacing not more than 9" o/c max.

(Option: Vinyl Weather Stripping)

#### COUNTERBALANCE ASSEMBLY

Steel pipe barrel capable of carrying a curtain load with a maximum deflection of 0.03" per ft. of door width. Heat treated springs encased in a steel pipe and designed to include an overload factor of 25% to ensure minimum effort to operate. A sealed and prelubricated ball bearing is present at the rotating support point. (A torsion spring charge wheel is used for applying spring torque and for future adjustments). Stainless steel or hot dipped galvanized pipe assemblies are available. Option: High Cycle Springs can be designed to satisfy up to 400,000 life cycles.

#### BRACKETS

Steel plate not less than 1/4" thick with ball bearings at rotating support points. When bolted to the wall the mounting angle supports the counterbalance assembly and forms an end enclosure. (Option: Stop Lock Bearing which prevents the door from free falling in the event of a drive operation failure.

#### HOOD Hexagon (Option: Square or Round)

#22 ga. galvanized steel is formed to fit the contour of the brackets. Finish Options: phosphate, baked enamel or powder coated.

#### FASCIA GALVANIZED (OPTIONAL)

Useful where the area behind the hood is open. Especially applicable to pre-engineered buildings.

#### OPERATION

Choice of hand chain, hand-crank, or motor operation. (Please consult Alpine Distributor and/or Factory for proper operation for your application)

#### LOCKING

Provides padlockable slide locks for latching and locking the door on the coil side of the bottom bar. Electric Interlocks recommended with motorized doors.

#### FINISH

Slats are prepared with a minimum galvanizing of G-90 (exterior). The hoods are galvanized and other exposed ferrous surfaces are prime painted or powder coated.

#### GALVANIZING (OPTION)

To be applied to the guides, brackets, pipe shafts and gears in addition to the standard specifications. Applied where conditions of extreme or unusual atmospheric contamination is present. (In accordance with ASTM A123)



### ADDITIONAL FEATURES

#### COVERS

Gear covers and operator covers are required for exterior mounted fire doors or when gears or operators are set below 8' ft in height from floor.

#### LOCKING

Optional padlockable slide locks available for latching and locking the door at the bottom bar. (Motor Operated Doors utilizing slide locks require Electric Interlocks)

#### SENSING DEVICES

Optional electrical or pneumatic sensing edge and/or Photo-Eyes available for motor operated fire doors only.

#### RELEASE DEVICES

The Fire-Tite doors are mechanically closed and are activated by a fusible link system. Release devices, thermal sensors, sounder/strobe devices and smoke detectors are available for tying fire door into the fire alarm system. *Please See Alpine's Release Device Page ([www.alpinedoors.com/release.htm](http://www.alpinedoors.com/release.htm))*

#### MOTOR OPERATORS

**HAND CHAIN:** Redi-Reset MC™, Redi-Reset CMX™, Redi-Reset GC™

**HAND CRANK:** Redi-Reset MK™

##### MOTOR OPERATOR:

**Non Fail Safe Model:** Redi-Reset NF™:

- Non fail safe operators will only close in the event of the fusible link system melting and/or in the event that the alarm system is set off.
- Door will remain open when power is lost.
- With no power, door will only closing by the melting or release of the fusible link system.
- With the utilization of a sensing edge, and power is on, the fail safe model is preprogrammed to cycle three times before coming to a full close position if an obstruction is apparent.

**Fail Safe Model:** Redi-Reset FS™

- The fail safe operator will close automatically when power is lost.
- Battery back up system is available and will hold door open in the event of a power outage for up to 24 hours. The battery back up system is most commonly used in areas where power outages are common.
- With the utilization of a sensing edge, and power is on, the fail safe model is preprogrammed to cycle three times before coming to a full close position if an obstruction is apparent.

**Programmable Fail Safe Model:** Redi-Reset FDC™, Redi-Reset FDCL™

Operator can be supplied with battery backup system and a sensing edge, thus having the ability to cycle open then reclose if there is an obstruction in the opening.

*Please See Alpine's Motor Operator Page ([www.alpinedoors.com/Reset\\_Operators.htm](http://www.alpinedoors.com/Reset_Operators.htm))*

**BATTERY BACK UP:** This option is utilized for the, Redi-Reset FDC™, and Redi-Reset FRDCL™ operators and allows the operators to remain open during a power failure for up to 24 hours. Utilizing the battery back up feature also acts as a source of power for thermal sensors, smoke detectors and other warning devices utilized on the fire door.

**ACCESS CONTROLS:** Optional control stations are available as Push Button Control Station or Key Control Stations. Special Control Stations are also available, please consult factory. *Please See Alpine's Access Controls Page ([www.alpinedoors.com/AccessControls.htm](http://www.alpinedoors.com/AccessControls.htm))*

#### FINISHES (Optional)

**Exo-Shield™:** The Powder Coat Finish is available for all of Alpine's Products and are available in over 188 standard colors with the option for custom colors and environmental requirements. *Please See Alpine's Color Selection Page ([www.alpinedoors.com/colors\\_standard.htm](http://www.alpinedoors.com/colors_standard.htm))*

**Hot-Dip Galvanizing:** Galvanizing is available for steel components.

**Stainless Steel:** Available in 300 series with options of mill finish, #2B, or #4 satin finish.

with low traffic and infrequent operational demands and requirements compared to other fire door products.

- Initial product cost is price *effective / affordable* for areas that only require the annual testing and resetting process.