APPLICATION AND USE
ISO 9001 Registered Company
Alpines Fire-Storm Doors are widely used in locations where their 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 debri.

OTHER RELATED PRODUCTS
“We’re Always Rolling™”

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.

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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 Ga.

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 ENLOCKS
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 tieing fire door into the fire alarm system. Please See Alpine’s Release Device Page (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)

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)

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)
   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.

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