



**QUICK RESPONSE
MODEL GL1123
EXTRA LARGE ORIFICE
AUTOMATIC SPRINKLERS
FOR USE IN
NFPA 13, 231, 231C
231D & 231F SYSTEMS**

DESCRIPTION AND OPERATION

The Globe Quick Response Model GL1123 Extra Large Orifice Upright Sprinkler is intended for use in NFPA 13, 231, 231C, 231D and 231F Systems when installed in accordance with the **Standard Sprinkler Positioning** and area / density flow calculation requirements as specified in each respective standard. This sprinkler is intended for use in wet systems only when used for storage applications. When acceptable to the Authority having Jurisdiction the Model GL1123 Sprinkler may be used as a "special application" sprinkler when installed to protect single, double and multiple-row and portable rack storage of Class I - IV group A and B plastics, cartoned, expanded or unexpanded, as well as exposed unexpanded with a maximum storage height of 20 feet, maximum ceiling height of 25 feet, 36 inch minimum deflector to top of storage clearance, design density of 0.60 gpm / sq. ft., and a design area of 2,000 sq. ft. for wet systems only.

The Model GL1123 is a low profile yet durable design which utilizes a 3mm frangible glass ampule as the thermosensitive element. While the sprinkler provides an aesthetically pleasing appearance, it serves to protect various area coverages. This sprinkler series is available in the upright style, and several temperature ratings and finishes to meet varying design requirements.

The heart of Globe's Model GL1123 sprinkler proven actuating assembly is a hermetically sealed frangible glass ampule that contains a precisely measured amount of fluid. When heat is absorbed, the liquid within the bulb expands increasing the internal pressure. At the prescribed temperature the internal pressure within the ampule exceeds the strength of the glass causing the glass to shatter. This results in water discharge which is distributed in an approved pattern.

TECHNICAL DATA

- See reverse side for Approvals and Specifications.
- Temperature Rating - 155°F (68°C), 175°F (79°C), 200°F (93°C), 286°F (141°C).
- Water Working Pressure Rating - 175 psi (12 Bars).
- Minimum Operating Pressure - 10 psi (0.7 Bars).
- Factory tested hydrostatically to 500 psi (34 Bars).
- Maximum low temperature glass bulb rating is -67°F (-55°C).
- Frame - bronze • Deflector - brass • Screw - brass
- Bulb seat - copper • Spring - nickel alloy • Seal - teflon
- Bulb - glass with alcohol based solution, 3mm size.



UPRIGHT

• SPRINKLER TEMPERATURE RATING/CLASSIFICATION and COLOR CODING

CLASSIFICATION	AVAILABLE SPRINKLER TEMPERATURES	BULB COLOR	N.F.P.A. MAXIMUM CEILING TEMPERATURE	
ORDINARY	155°F 68°C	RED	100°F	38°C
INTERMEDIATE	175°F/200°F 79°C/93°C	YELLOW/GREEN	150°F	66°C
HIGH	286°F 141°C	BLUE	225°F	107°C

4077 AIRPARK DRIVE, STANDISH, MICHIGAN 48658

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SPECIFICATIONS

NOMINAL "K" FACTOR	THREAD SIZE	LENGTH	FINISHES
11.5 (166 metric)	3/4" NPT	2 7/16" (6.19 cm)	Factory Bronze ¹ Satin Chrome Bright Chrome White Polyester ² Black Polyester ² ¹ Lead Coated

NOTE: METRIC CONVERSIONS ARE APPROXIMATE.

¹FINISHES AVAILABLE ON SPECIAL ORDER.

²AVAILABLE AS UL LISTED CORROSION RESISTANT WHEN SPECIFIED ON ORDER.

APPROVALS

STYLE	SIN MODEL	K FACTOR	155°F 68°C	175°F 79°C	200°F 93°C	286°F 141°C	cULus	NYC - DOB MEA 101-92-E
UPRIGHT	GL1123	11.5	X	X	X	X	X	X

ORDERING INFORMATION

SPECIFY

- Quantity • Model Number • Style
- Orifice • Temperature • Finishes desired
- Quantity - Wrenches - P/N 333010

GLOBE® PRODUCT WARRANTY

Globe agrees to repair or replace any of its own manufactured products found to be defective in material or workmanship for a period of one year from date of shipment.

For specific details of our warranty please refer to Price List Terms and Conditions of Sale (Our Price List).



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