

QUICK RESPONSE AUTOMATIC SPRINKLERS GL SERIES ADJUSTABLE CONCEALED PENDENT

DESCRIPTION AND OPERATION

The Globe Quick Response GL Series Adjustable Concealed Pendent Sprinkler is a low profile, aesthetically pleasing design. It provides sprinkler operation approximately six times faster than ordinary sprinklers and can be installed wherever standard concealed spray sprinklers are specified when allowed by the applicable standards. It offers the additional feature of greatly increased safety to life and should be used advisedly and under the direction of approving authorities having jurisdiction. The Sprinkler is available with 1/2" of adjustment and a deeper profile cover plate assembly. All that is seen at the ceiling is a 3 5/16" diameter ceiling plate color finished to match the specifier's exact requirements. The GL Series Adjustable Concealed Sprinkler may be virtually invisible as it does not interrupt the "smooth flow" of the ceiling. Globe's Adjustable Concealed Sprinkler utilizes its 3mm frangible glass ampule type sprinkler which is located above the ceiling and concealed from view by the ceiling plate. The ceiling plate is soldered to the sprinkler's special upper support assembly in three places. Upon the application of sufficient heat, the plate falls to the floor exposing the quick response pendent spray sprinkler. At the ampule's rated temperature, the sprinkler opens discharging water onto the floor in its required and approved distribution pattern.

TECHNICAL DATA

- See reverse side for Approvals and Specifications.
- Temperature Ratings -

135°F (57°C) Sprinkler, 135°F (57°C) Cover Plate;

 $155^{\circ}F$ (68°C) Sprinkler, $135^{\circ}F$ (57°C) Cover Plate

175°F (79°C) Sprinkler, 155°F (68°C) Cover Plate;

200°F (93°C) Sprinkler, I55°F (68°C) Cover Plate.

- Water Working Pressure Rating 175 psi (12 Bars).
- Factory tested hydrostatically to 500 psi (34 Bars).
- Maximum low temperature glass bulb rating is -67°F (-55°C).
- Frame bronzeDeflector brassScrew brass
- Bulb seat copper
 Spring nickel alloy
 Seal teflon
- Bulb glass with alcohol based solution, 3mm size.
- Cover Plate brass
- Upper Escutcheon Assembly steel



QUICK RESPONSE
WHITE
CONCEALED PENDENT

SPRINKLER TEMPERATURE RATING/CLASSIFICATION and COLOR CODING

CLASSIFICATION	AVAILABLE SPRINKLER TEMPERATURES		BULB COLOR	N.F.P.A. MAXIMUM CEILING TEMPERATURE	
ORDINARY	135°F/155°F	57°C/68°C	ORANGE/RED	I00°F	38°C
INTERMEDIATE	175°F/200°F	79°C/93°C	YELLOW/GREEN	I50°F	66°C

4077 AIRPARK DRIVE, STANDISH, MICHIGAN 48658

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OCTOBER 2003 A-33 BULLETIN GL2845, REV. #2

QUICK RESPONSE

AUTOMATIC SPRINKLERS

GL SERIES

ADJUSTABLE CONCEALED PENDENT

SPECIFICATIONS

NOMINAL "K" FACTOR		THREAD SIZE	LENGTH	FINISHES	
2.8	(39 metric)	I/2" NPT		Bright Chrome	
4.2	(59 metric)	I/2" NPT	2 1/2" (6.4 cm)	White Painted *Satin Chrome	
5.6	(80 metric)	I/2" NPT	(0.1 cm)	*Bright Brass	
8.1	(116 metric)	3/4" NPT		*Other Painted Finishes	

NOTE: METRIC CONVERSIONS ARE APPROXIMATE.

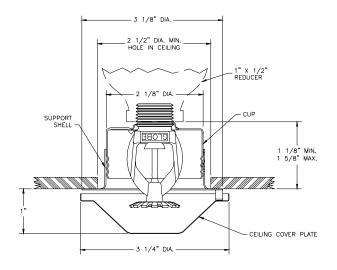
* FINISHES AVAILABLE ON SPECIAL ORDER.
PAINTED PLATES OTHER THAN WHITE REQUIRE
CUSTOMER TO FURNISH PAINT.

APPROVALS

STYLE	SIN MODEL	K FACTOR	135°F (57°C) WITH PLATE 135°F (57°C)	155°F (68°C) WITH PLATE 135°F (57°C)	WITH PLATE	200°F (93°C) WITH PLATE 155°F (68°C)	cULus
CONCEALED PENDENT	GL2845	2.8	X	×	×	X	X
	GL4245	4.2	X	Х	X	Х	Х
	GL5645	5.6*	×	×	×	×	X
	GL8145	8. I*	×	×	×	X	X

*LISTED FOR ALL HAZARDS.

CROSS SECTION



1/2" ADJUSTMENT

ORDERING INFORMATION

SPECIFY

- Quantity Model Number Style
- Orifice Thread Sizes Temperature
- Finishes desired
- Quantity Concealed Wrenches P/N 325391
- Quantity Protective Caps P/N 327119

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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