

CERTIFICATE OF COMPLIANCE

Certificate Number EX3646
Report Reference EX3646-20040416
Date 2021-October-11

Issued to: RELIABLE AUTOMATIC SPRINKLER CO INC
1470 Smith Grove Rd
Liberty SC, 29657 US

This is to certify that representative samples of RESIDENTIAL AUTOMATIC SPRINKLERS
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

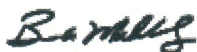
Standard(s) for Safety: UL199 Standard for Automatic Sprinklers for Fire-Protection Service

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC



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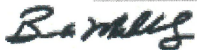
This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Product Designation(s):

SIN RA0611, 1/2 in. NPT, K = 3.0, RA0612, 1/2 in. NPT, K = 4.3, SIN RA0616,R401 1/2 in. NPT, K = 4.9, and SIN RA0914, 1/2 in. NPT, K=5.6 concealed pendent, fusible solder link type heat responsive element with cover plates. SIN RA0613, 1/2 in. NPT, K = 5.8 and SIN RA0618, 3/4 in. NPT, K = 7.6 concealed pendent, fusible solder link type heat responsive element with cover plates. These sprinklers have a maximum pressure of 175 psig for wet systems only for spacings, flow rates and temperature ratings as indicated below:

Residential sprinklers for smooth flat ceilings.

SIN	Style	Temperature Rating, °F	K-Factor	Maximum Sprinkler Spacing, ft	Minimum Flow,gpm /Sprinkler	Minimum Flowing Pressure, psig
RA0611 + @	Concealed Pendent	165,212#	3.0	12 by 12	9	9
RA0611 + @	Concealed Pendent	165	3.0	14 by 14	10	11
RA0612 +	Concealed Pendent	165+,212#	4.3	12 by 12	12	7.8
RA0612 +	Concealed Pendent	165+,212	4.3	16 by 16	13	9.1
RA0612 +	Concealed Pendent	165	4.3	18 by 18	18	17.5
RA0612 +	Concealed Pendent	165	4.3	20 by 20	21	23.8
RA0616 +	Concealed Pendent	165+,212#	4.9	16 by 16	13	7.0
RA0616 +	Concealed Pendent	165+,212	4.9	18 by 18	17	12.0
*RA0616 +	Concealed Pendent	165+	4.9	20 by 20	20	16.7
RA0616 +	Concealed Pendent	212#	4.9	20 by 20	21	18.4
R401	Concealed Pendent	165+,212#	4.9	16 by 16	13	7.0
R401	Concealed Pendent	165+,212	4.9	18 by 18	17	12.0
R401	Concealed Pendent	165+,212#	4.9	20 by 20	20	16.7
RA0914 +	Concealed Pendent	165	5.6	16 by 16	26	21.6



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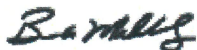
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RA0613	Concealed Pendent	165+,212#	5.8	16 by 16	16	7.6
RA0613	Concealed Pendent	165+,212	5.8	18 by 18	18	9.6
RA0613	Concealed Pendent	165+,212#	5.8	20 by 20	20	11.9
*						

+ Sprinkler utilizes 135°F Concealed Cover plates.
 @ Sprinkler utilizes 135°F Decorative Concealed Cover plates.
 # Sprinkler utilizes 165°F Concealed Cover plates.

SIN	Style	Temperature Rating, °F	K-Factor	Maximum Sprinkler Spacing, ft	Minimum Flow,gpm /Sprinkler	Minimum Flowing Pressure, psig
RA0618	Concealed Pendent	165+,212#	7.6	16 by 16	21	7.6
RA0618	Concealed Pendent	165+,212#	7.6	18 by 18	24	9.9
RA0618	Concealed Pendent	165+,212#	7.6	20 by 20	34	20

Sprinkler utilizes 135°F Concealed Cover plates.
 @ Sprinkler utilizes 135°F Decorative Concealed Cover plates.
 # Sprinkler utilizes 165°F Concealed Cover plates.



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