

Technical Data Sheet: Concealed Cover Plates

1. DESCRIPTION

Minimax Fire Protection cover plates are low-profile covers used with Minimax Fire Protection concealed sprinklers. The covers are installed flush with the ceiling or wall to provide a smooth appearance, and are available in several standard decorative finishes to meet design requirements. The cover plates may also be custom ordered with any color by any paint manufacturer. In addition, customized screen printing is available on select cover plates. Refer to Figure 1 and Table 2 for more information.

2. LISTINGS AND APPROVALS

Refer to the Approval Charts on the applicable Minimax Fire Protection sprinkler technical data pages.

UL Listed Screen Print - Brass or Painted only. Refer to Figure 1.

FM Approved Screen Print - Brass or Painted only. Refer to Figure 1.

3. TECHNICAL DATA

Specifications:

Refer to the appropriate sprinkler technical page for sprinkler specifications.

Material Standards:

Cover Plate Assembly: Copper UNS-C11000, Brass UNS-C26000, UNS-C26800, or Stainless Steel UNS-S30400

Spring: Nickel Alloy

Solder: Eutectic (non-Eutectic for cover 61368)

Ordering Information: (Also refer to the current Minimax Fire Protection price list.)

Refer to Tables 1. Specify finish and temperature rating of the cover plate assembly by adding the appropriate suffixes for the finish and the cover temperature rating to the base part number.

For example, cover 62018 with a Polished Chrome finish and a 165 °F (74 °C) temperature rating = 62018FC.

4. INSTALLATION*

A. After installation of the Concealed Sprinkler, testing of the system, repairing of all leaks, and installation and painting of the wall or ceiling, the concealed sprinkler cover plate assembly may be attached.

1. Remove the plastic protective cap from the sprinkler.
2. Remove the cover plate assembly from the protective box, taking care not to damage the assembly.
3. Gently place the base of the cover plate assembly over the sprinkler protruding through the opening** in the ceiling or wall.
**Size depends on the sprinkler model used. Refer to appropriate sprinkler data page.
4. Carefully push the cover plate assembly onto the sprinkler, using even pressure with the palm of the hand, until the unfinished brass flange of the cover plate base (or the cover adapter, if used) touches the surface of the ceiling or wall. The maximum adjustment available is ½" (13 mm) [1/4" (6 mm) for sprinklers MX8480, MX8481 and MX8680]. **DO NOT MODIFY THE UNIT.** If necessary, re-cut the sprinkler nipple.

B. DISASSEMBLY: Cover plates can be removed either by gently unthreading them or pulling them off the sprinkler body (depends on the sprinkler model used).

C. RE-ASSEMBLY: The push-on feature of these cover plate assemblies allows easy installation of the cover plates.

1. Gently place the base of the cover plate assembly over the sprinkler.
2. Push the cover plate assembly onto the sprinkler, using even pressure with the palm of the hand, until the unfinished brass flange of the cover plate base touches the ceiling or wall.

* See the care and handling Cautions and guidelines on the last page of this document for important safety information.

5. OPERATION

During fire conditions, when the temperature around the sprinkler approaches its operating temperature, the cover plate detaches. Continued heating of the sprinkler causes the operating element to fuse or shatter (depending on the type of sprinkler), releasing the sealing assembly. Water flowing through the sprinkler orifice strikes the deflector or flow shaper, forming a uniform spray pattern to extinguish or control the fire.

6. INSPECTIONS, TESTS, AND MAINTENANCE

Refer to NFPA 25 for Inspection, Testing and Maintenance requirements.

7. AVAILABILITY

The concealed cover plates are available through a network of domestic and international distributors. See the web site for the closest distributor or contact us.

8. GUARANTEE

For details of warranty, refer to the current list price schedule or contact us directly.

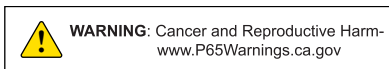


TABLE 1: ORDERING INFORMATION

Cover Part No. ¹	Cover Type	Cover Temp. Rating	Cover Diameter	Finishes Suffixes Available ^{2,3}	Sprinkler Models	Sprinkler Data Pages
62018 ⁴	Flat Pendent	135 °F (57 °C) = A and 165 °F (74 °C) = C	2-3/4" (70 mm)	F, F-B, B, B-A, B-B, E-B, M-W, M-I, M-B	MX8462	FX_103005
					MX8464	FX_021606
					MX8494	FX_012116
					MX8496	FX_032218
					MX8498	FX_112817
					MX8634	FX_080107
62013 ⁴	Flat Commercial (large diameter)	135 °F (57 °C) = A and 165 °F (74 °C) = C	3-5/16" (84 mm)	F, F-B, B, B-A, B-B, E-B, M-W, M-I, M-B	MX8462	FX_103005
					MX8464	FX_021606
					MX8494	FX_012116
					MX8496	FX_032218
					MX8498	FX_112817
					MX8634	FX_080107
62016 ⁴	Flat Commercial (square cover plate)	135 °F (57 °C) = A and 165 °F (74 °C) = C	3-5/16" (84 mm)	F, F-B, B, B-A, B-B, E-B, M-W, M-I, M-B	MX8462	FX_103005
					MX8464	FX_021606
					MX8494	FX_012116
					MX8496	FX_032218
					MX8498	FX_112817
					MX8634	FX_080107
61368 ⁴	Flat Pendent	135 °F (57 °C) = A and 165 °F (74 °C) = C	3-5/16" (84 mm)	F, M-W, M-I, M-B	MX8538	FX_050511
					MX8636	FX_121009
61369 ⁴	Flat HSW (large diameter)	135 °F (57 °C) = A and 165 °F (74 °C) = C	3-5/16" (84 mm)	F, F-B, B, B-A, B-B, E-B, M-W, M-I, M-B	MX8480	FX_121609
					MX8481	FX_020312
					MX8490	FX_032116
					MX8680	FX_050611
61370	Domed Pendent / Dry Pendent	135 °F (57 °C) = A and 165 °F (74 °C) = C	3-1/8" (80 mm)	F, B, M-W, M-I, M-B	MX8194	FX_092103
62013-CR	Cleanroom Flat Commercial (large diameter)	135 °F (57 °C) = A and 165 °F (74 °C) = C	3-5/16" (84 mm)	F-CR, WCR, ICR, BCR	MX8462	FX_103005
					MX8464	FX_021606
					MX8462-MRI MX8464-MRI	FX_062908

Footnotes

1. Base part number is shown. For complete part number, add finish suffix and temperature suffix.
2. Custom colors are also available.
3. Finish Suffixes: Polished Chrome = F, Brushed Chrome = F-B, Bright Brass = B, Antique Brass = B-A, Brushed Brass = B-B, Brushed Copper = E-B, Painted White = M-W, Painted Ivory = M-I, Painted Black = M-B
4. Screen Printing is available for this cover. Refer to Figure 1.

⚠ CAUTION

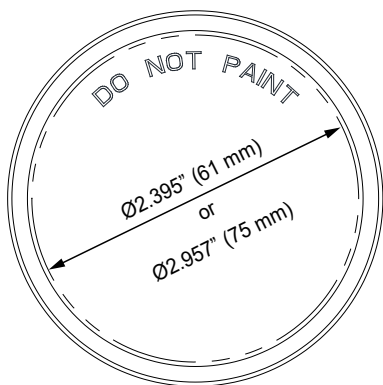
CONCEALED COVER ASSEMBLIES ARE FRAGILE. TO ASSURE SATISFACTORY PERFORMANCE OF THE PRODUCT, HANDLE WITH CARE.

NOTICE

FOR COMPLETE CARE, HANDLING, & INSTALLATION INSTRUCTIONS, REFER TO THE SPRINKLER DATA PAGE AND THE APPROPRIATE SPRINKLER GENERAL CARE, INSTALLATION, AND MAINTENANCE GUIDE.

GENERAL HANDLING AND STORAGE INSTRUCTIONS:

- Do not store in temperatures exceeding 100 °F (38 °C). Avoid direct sunlight and confined areas subject to heat.
- Protect sprinklers and cover assemblies during storage, transport, handling, and after installation.
 - Use original shipping containers.
 - Do not place sprinklers or cover assemblies loose in boxes, bins, or buckets.
- Keep the sprinkler bodies covered with the protective sprinkler cap any time the sprinklers are shipped or handled, during testing of the system, and while finish work is being completed.
- Use only the designated Minimax Fire Protection sprinkler wrench (refer to the appropriate sprinkler data page) to install these sprinklers. **NOTE:** The protective cap is temporarily removed during installation and then placed back on the sprinkler for protection until finish work is completed.
- Do not over-tighten the sprinklers into fittings during installation.
- Do not use the sprinkler deflector to start or thread the sprinklers into fittings during installation.
- Do not attempt to remove drywall, paint, etc., from the sprinklers.
- Remove the plastic protective cap from the sprinkler before attaching the cover plate assembly. **PROTECTIVE CAPS MUST BE REMOVED FROM SPRINKLERS BEFORE PLACING THE SYSTEM IN SERVICE!**



Screen Print area:

2-3/4" (70 mm) Plates = Ø2.395" (61 mm)
 3-5/16" (84 mm) Plates = Ø2.957" (75 mm)

Design must include the text
 "DO NOT PAINT"

Figure 1

TABLE 2: Screen Printed Cover Plates								
Screen Printing is available on Brass or Painted finishes. Refer to Table 1.								
Sprinkler SIN(s)	Cover Plate Base Part Number	Style	Size	UL		FM		
				Ordering Suffix				
				A	C	A	C	
				135 °F (57 °C)	165 °F (74 °C)	139 °F (59 °C)	165 °F (74 °C)	
Residential	MX8494	62018SC	Round	2-3/4" (70 mm)	✓	✓		
		62013SC	Round	3-5/16" (84 mm)	✓	✓		
		62016SC	Square	3-5/16" (84 mm)	✓	✓		
	MX8496 MX8498	62018SC	Round	2-3/4" (70 mm)	✓	✓		
		62013SC	Round	3-5/16" (84 mm)	✓	✓		
		62016SC	Square	3-5/16" (84 mm)	✓	✓		
	MX8480	61369SC	Round	3-5/16" (84 mm)	✓			
MX8490	61369SC	Round	3-5/16" (84 mm)	✓	✓			
Commercial	MX8462	62018SC	Round	2-3/4" (70 mm)	✓	✓	✓	✓
		62013SC	Round	3-5/16" (84 mm)	✓	✓	✓	✓
		62016SC	Square	3-5/16" (84 mm)	✓		✓	✓
	MX8464 MX8634	62018SC	Round	2-3/4" (70 mm)	✓	✓		
		62013SC	Round	3-5/16" (84 mm)	✓	✓		
		62016SC	Square	3-5/16" (84 mm)	✓			
	MX8481	61369SC	Round	3-5/16" (84 mm)	✓	✓	✓	✓
	MX8680	61369SC	Round	3-5/16" (84 mm)	✓			
	MX8538	61368SC	Round	3-5/16" (84 mm)	✓	✓		
MX8636	61368SC	Round	3-5/16" (84 mm)	✓	✓			

Contact Business Development for quotes or more information or visit
 The Minimax Fire Protection website www.minimax-fire.com