Engineering Specification

Model RFCLL Series Flat Cover Plate Concealed Pendent

Residential Sprinklers

**Recommended CSI MasterFormat Specification Location: 21 13 13, Wet-pipe Sprinkler Systems (formerly 13930)**

Sprinklers shall be flat cover plate concealed residential pendent sprinklers that are cULus Listed for installation in accordance with NFPA 13, NFPA 13R, and NFPA 13D. Residential sprinklers shall be installed in conformance with the manufacturer’s installation guidelines and the applicable installation standard. Sprinklers shall have a drop-down deflector secured on pins. Sprinkler body shall be of brass alloy construction having **[**½” NPT**] [**ISO7-1R1/2**] [*7.6K sprinklers only:*** ¾” NPT**] [**ISO7-1R3/4**]** threads. Thermal element shall consist of a nickel alloy fusible solder link. Sprinkler shall be certified by Underwriters Laboratories, Inc. and Underwriters Laboratories of Canada for health effects to NSF/ ANSI Standard 61 Annex G requiring less than 0.25% lead content. Sprinkler K-factors shall be **[**3.0 gpm/psi1/2 (43.2 l/min/bar1/2)**] [**4.3 gpm/psi1/2 (62 l/min/bar1/2)**] [**4.9 gpm/psi1/2 (70.6 l/min/bar1/2)**]**. Sprinkler temperature classification shall be **[**Ordinary 165°F (74°C) with 135°F (57°C) temperature rated cover plate**] [**Intermediate 212°F (100°C) with 165°F (74°C) temperature rated cover plate**]**.

Cover plate assembly shall consist of a brass cover plate and copper alloy retainer flange having a push-on and thread-off design allowing a minimum of ½” (13 mm)] cover plate adjustment. Any secure engagement between the cover plate and the cup shall assure that the drop-down deflector is properly located below the ceiling. Sprinkler installation should be achieved without removal of the plastic cap to protect the sprinkler from damage. Cover plate finish shall be: **[**White**] [**Chrome**] [**Special Application – specify**]**.

Residential flat cover plate concealed pendent sprinklers shall be Reliable Model **[**RFC30LL, SIN RA3211**] [**RFC43LL, SIN RA3212**] [**RFC49LL, SIN RA3216**]**.