Engineering Specification

Model RFS 42 Concealed Residential Sidewall Sprinklers

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

Sprinklers shall be flat cover plate concealed residential horizontal sidewall sprinkler cULus Listed for installation in accordance with NFPA 13, NFPA 13R, and NFPA 13D requirements. Residential sprinklers shall be installed in conformance with the manufacturer’s installation guidelines and the applicable installation standard. Coverage area per sprinkler to be a maximum of 16’x20’. Sprinklers to be of bronze frame construction. Water seal assembly shall consist of a PTFE coated Belleville spring washer and machined brass cup. Thermal element shall consist of a nickel alloy fusible link. Sprinkler shall have a nominal K-factor of 4.2 gpm/psi1/2 (60 l/min/bar1/2) with ½” threads. Sprinkler temperature classification shall be Ordinary 165°F (74°C) with 135°F (57°C) temperature rated cover plate.

Cover plate assembly shall consist of a brass cover plate and copper plated retainer flange assembly having a push-on and pull off design allowing a minimum of 1/8” (3.1 mm) cover plate adjustment. Cover plate finish shall be: **[**White**] [**Special Application – specify**]**.

Residential flat Horizontal Sidewall sprinklers shall be Reliable Model RFS42, SIN RA4835.