

## ● INSTALLATION

The SD1010 ~ SD1030 pendent and SD1015 ~ SD1032 upright automatic sprinkler should be installed in accordance with the current NFPA 13 Standard.

The system piping must be properly sized to insure the minimum required flow rate of the sprinkler.

Check for the proper model, style, orifice size and temperature rating prior to installation. Install sprinkler after the piping is in place to avoid mechanical damage, replace any damage units. Wet pipe systems must be protected from freezing.

Upon completion of the installation, the system must be tested as per recognized standard. In case of a thread leak, remove the unit, apply new pipe joint compound or tape, and re-install.

## ● INSTALLATION METHODS

- a. Upright sprinkler must be mounted in an upright position, Pendent sprinkler must be mounted in a pendent position.
- b. Hand tighten the sprinkler into the sprinkler fitting. It is recommended that a torque of 7 ~ 14 ft-lbs be used to obtain a thread 1/2inch NPT sprinkler joint. A radial force of 10 ~ 20 lbs.
- c. Use only a non-hardening pipe joint compound or PTFE tape and should be applied to the male thread only.
- d. Hand tighten the sprinkler into fitting, using a 22mm open spanner or 8" (200mm) adjustable wrench to tighten.

## ● REMOVE ORANGE COVER

Be sure to remove the orange plastic protective cover after completed the installation, should not clamp on the frame arms, Otherwise will to prevent the heat response function

Caution: A maximum of 21 ft-lbs of torque is to be used to install the sprinkler. Higher levels of torque may distort the sprinkler orifice seat saddle with consequent leakage.

## ● CARE & MAINTENANCE

Sprinkler must be handled carefully. The ambient temperature as referred in NFPA 13 for the specified temperature rating of the sprinkler should not be exceeded while storing, transporting or installing. For example, a 155°F / 68°C may not be stored in temperatures that exceed 100°F / 38°C. For best results, store them in a dry, cool place in the original shipping package.

Do not install sprinklers that have been dropped or visibly damaged. Sprinklers must never be painted, coated, plated, or altered in any other way from manufactured condition or they may not function properly. Any sprinklers altered in such manner must be replaced.

Do not attempt to reassemble or otherwise re-use a sprinkler that is in operation. Replace any sprinkler that exhibits corrosion or damage; always use new sprinklers of the same type and temperature rating as replacements.

