


**CT007**

## DESCRIPTION

The CT007 Standard Response Concealed Pendent Sprinklers (Ret. Figure ) are automatic sprinklers of the frangible bulb type. They are "standard/quick response-standard orifice spray sprinkler" intended for use in fire sprinkler systems designed in accordance with the standard installation rules recognized by the applicable Listing or Approval agency (e.g., UL Listing is based on NFPA 13 requirements). The Concealed Pendent Sprinklers all produce a hemispherical water distribution pattern below the deflector.

## SPRINKLER OPERATION

During fire conditions, the sufficient ambient temperature will fuse the solder between the Cover Plate and the Enclosure. The Cover Plate will fall away from the Enclosure, to expose the Sprinkler for operation. Then the thermal-sensitive liquid in the Sprinkler's Glass Bulb expands, causing the Bulb to shatter, releasing the Button and Spring Seal Assembly. Water flowing through the sprinkler orifice strikes the Sprinkler Deflector, forming a uniform spray pattern to extinguish or control the fire.



## COVERAGE

For coverage area and sprinkler placement, refer to NFPA13 standards.

## TECHNICAL SPECIFICATIONS

MODEL NO.	CT007
Style	Concealed Pendent
Bulb Nominal Dia. & Response	Ø5mm, Standard Response
Thread Size [Optional]	NPT1/2 or R1/2
Nominal Orifice Size	1/2 Inch
Nominal K-Factor	5.6 (U.S.)/80 (metric)
Max. Working Pressure	175 psig/1.2 MPa (12 bar)
Factory Hydrostatic Test	100% @ 500psig (3.4 MPa)
Min. Operating Pressure	7 psig/0.048 MPa (0.48 bar)
Sprinkler Finish [Optional]	Natural Brass or Chrome Plated or Color Coated in Any Color
Escutcheon Finish	Chrome Plated or Color Coated In Any Color
Listings and Approvals	UL Listed

## AVAILABLE TEMPERATURE RATING

TEMP. CLASSIFICATION	ORDINARY	ORDINARY	INTERMEDIATE	INTERMEDIATE
Nominal Temp. Rating	135°F/57°C	155°F/68°C	175°F/79°C	200°F/93°C
Max. Ambient Temp. Allowed <sup>5</sup>	115°F/46°C	135°F/57°C	155°F/68°C	180°F/82°C
Max. Recommended Ambient Temp <sup>6</sup>	100°F/38°C	100°F/38°C	150°F/65°C	150°F/65°C
Glass Bulb Color <sup>7</sup>	Orange	Red	Yellow	Green