

Data Sheet

GE-SH-DS-VdS-8/23-4

Gemini Sprinkler Head

OVERVIEW

Gemini® is a pre-action sprinkler head that operates as part of a regular wet pipe sprinkler installation. With its unique design, the water will not be discharged until both of the sprinklers open, meaning double knock protection is achieved for added peace of mind. Gemini is the perfect low cost and space saving product for buildings that require enhanced protection in water sensitive areas such as server/electrical rooms. Please contact Project Fire for advice when looking to protect risks other than fire hazard class OH and/or rooms larger than 30m².



Specification

Gemini® can be monitored via a stand-alone Gemini monitoring panel (left) or as part of a Zonecheck Addressable system by connecting to a Gemini IMM (right).



GEMINI SPRINKLER HEAD

Spray Characteristics	Spray Pendent
Response Sensitivity	Fast Response RTI < 50
Release Temperature	68 ° C
Operating Pressure	Min - 0.5 bar
Standby Pressure	Min - 3 bar
Sprinkler Body	Brass, Chrome-Plated
Coverage	Max - 9m ² Spacing Per Head
K Factor	80 (but counted as 57 for design purposes)

ORDER INFORMATION

Order Code	Item
GE-ADSH	Gemini Dual Sprinkler Head
GE-1C4	Interconnect Cable & Plugs
GE-EC	End of System Cable & Plug
GE-PPC8	Gemini Monitoring Panel
GE-CC	Gemini Connecting Coupling
ZC-IMM	Gemini IMM

Dimensions

(See right)

How it works

Gemini connects onto standard wet sprinkler pipework via a 1" union. The unit features two sprinkler heads which both need to activate independently for water to be discharged. It does not matter in which order they are triggered but water is discharged from one head only. If one head only is triggered (e.g. due to damage) then no water is discharged but a fault signal is generated.

The mechanisms inside the unit are all mechanical and so electrical power is only required for monitoring purposes.

Installation

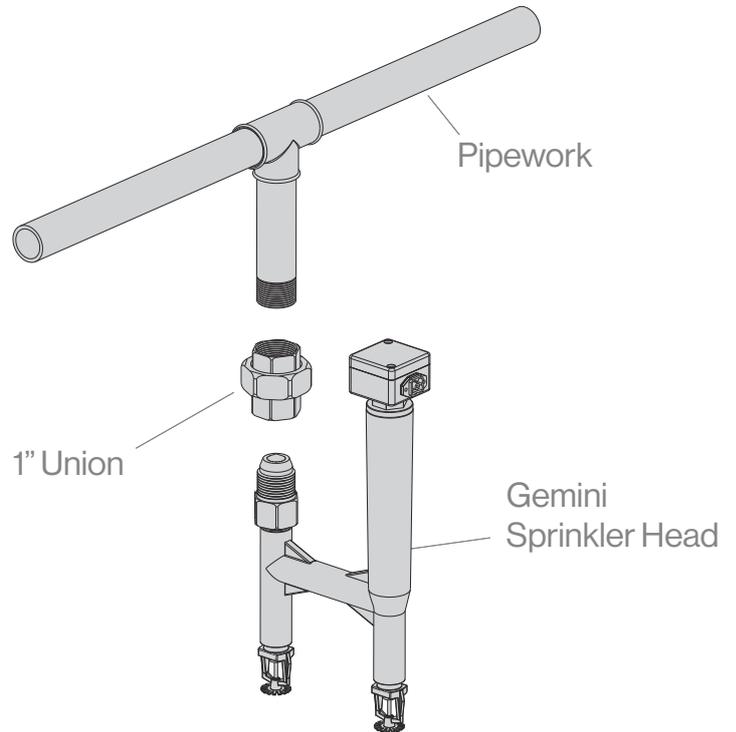
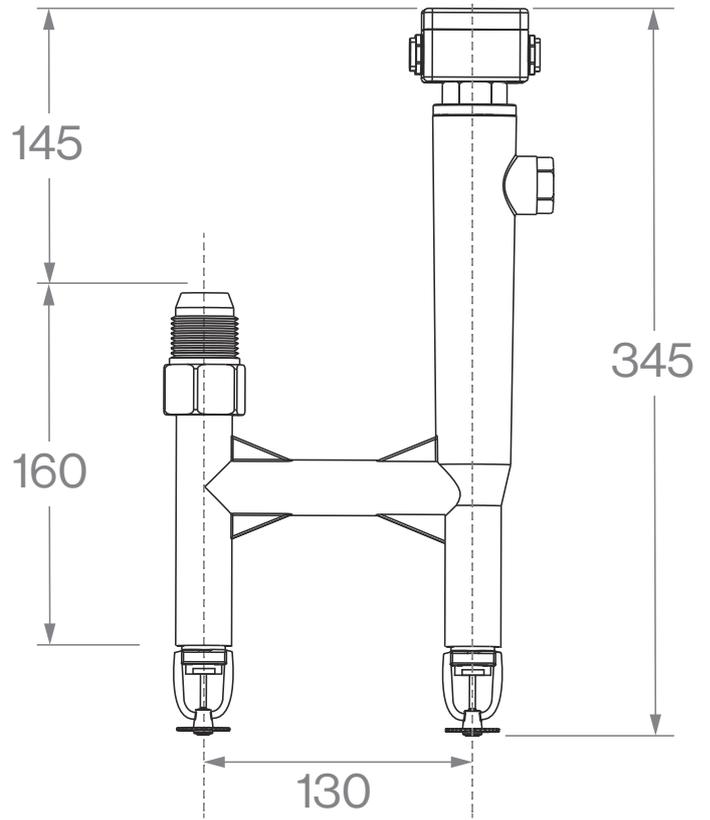
Gemini can be monitored via a stand-alone panel (GE-PPC8) which provides an audible and visual fault alarm with relay output. Alternatively, Gemini can be monitored via an IMM as part of a Zonecheck Addressable system.

The monitoring panel comes with an 8m cable (with connector) to attach to the first Gemini. Where multiple heads are used, interconnecting cables (GE-1C4) are required to join the units together (4m long). An end of line plug (GE-EC) is required to be fitted into the last Gemini.

For more information, please contact Project Fire or see instruction booklet.

Pre-Installation Checks

- Ensure you have sufficient space for installation.
- When installing above a false ceiling, a minimum clear space of 305mm of void space is required.
- Gemini must be installed with the sprinklers heads in the pendent position.
- Ensure heads are positioned/spaced in accordance with sprinkler design drawing (max 9m²).
- Ensure all necessary permissions and pre-cautions have been taken before connecting heads to sprinkler pipework.



Cost Saving

Effective

Double-Knock Protection

Approved

Relay output

Reliable

Pre-Action Style

VdS

Fast Response

Plug & Play

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