automist®
SMARTSCAN HYDRA

reddot award 2016
best of the best

THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION
2016

Build It
AWARDS
2016
WINNER
Best
Home Technology Product

When Sprinklers are Impractical...

Approvers Trust Automist

We have made our name helping thousands of properties meet building regulations and convert to open plan living. Our newest solution, Automist Smartscan Hydra is better suited for larger developments and multi-residential properties by enabling up to six heads to be connected to one pump.

Now the same benefits of reduced plumbing requirements and less disruption can be applied to more properties cost effectively.

Plumis

registered
LABC
EWS534

Why Automist® Smartscan Hydra?

Meets the highest performance standards

Automist® Smartscan has met the fire performance standards outlined in BS 8458.

Faster Approval

Automist® Smartscan is covered by an LABC registered detail, EWS534, allowing rapid local authority building control approval.

Low water usage

Automist® Smartscan can be simply installed on a standard domestic water main and doesn't require a plumbing upgrade or a water tank.

Minimise disruption

Typically installed in just a few hours with minimal impact to the building—in part due to the use of flexible high pressure hoses, which do not need to go through the ceiling.

Reliable activation

Automist® Smartscan Hydra has a robust double knock trigger which uses a combination of smoke, heat, and rate of rise. Therefore, it is not prone to false activations.

Minimising activation damage

Automist® Smartscan uses 90% less water than traditional sprinkler systems—minimising consequential water damage, whilst providing the same performance.

Low maintenance

Annual tests of the full system operation from detection to activation are quick and simple—usually taking only a few minutes.

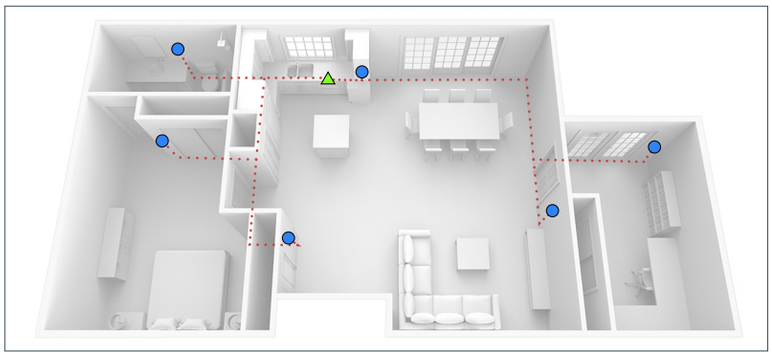
Chain of accountability

Automist® can only be installed by Accredited Resellers who are regularly tested, and audited, ensuring high standards are maintained.

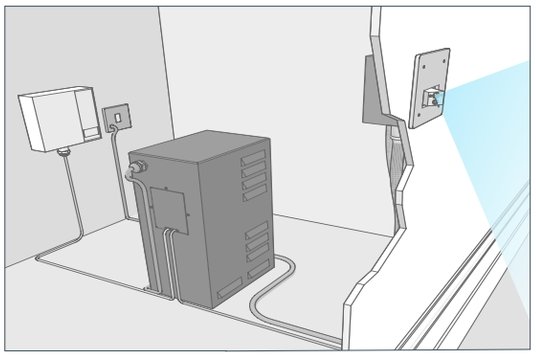
What Happens when Automist® Smartscan Hydra Activates?

When triggered by a Plumis multi-sensor wireless or wired detector, all the linked spray heads will begin scanning. They start measuring the temperatures within the room using an infrared sensor. The scan is looking for an exceptionally high temperature reading, or a differential increase between scans. Once the temperature exceeds a threshold that head is deemed to have successfully located a fire. All heads which locate a fire during a scan are then compared to see which has the best view.

The selected spray head will lock onto the selected location, and activate the high pressure pump, driving mains water through the unique nozzle unit, quickly directing a dense fog into the location of the fire. The high momentum vertical spray orientation with a horizontal trajectory is designed so even shielded fires are saturated with a turbulent flow of mist, suppressing the fire.



Smartscan Hydra Head Pump Hose & Wire



Pump & Controller System overview

Visit us at www.plumis.co.uk, contact us to learn more about Automist or phone +44 (0)20 7871 3899 or email us at info@ plumis.com

Follow Us