

# **EKOOL ZSS-25A - AUTO FIRE SCANNING AND FIRE EXTINGUISHING WATER MONITOR DEVICE**

## **INTRODUCTION**

The ZSS-25A auto-scanning and fire extinguishing water monitor was developed and produced by Tianyu to meet the fire protection requirements of large, open spaces (atrium space) in modern buildings where a fire sprinkler system may be inadequate due to the height of the ceiling sprinklers above the atrium floor.

The water monitor device has infra-red sensing technology incorporating computerized control, mechanical operation and remote communication technologies, all built into one device.

When a fire occurs in the area protected by the water monitor, the infra-red sensors will detect the fire and activate the water monitor. The water monitor will rotate to locate the exact location of the fire and direct the nozzle of the water monitor at the fire. Water will then be discharged from the nozzle, in the form of a water jet, onto the fire. The device is able to locate the exact position of the fire and direct water discharge at the fire within 20 seconds of its detection of the fire.

After the fire is extinguished, the water discharge must be stopped manually. After the monitor is stopped, it will automatically return to its standby mode. If the fire re-ignites or there is another fire, the water monitor will activate again.

Manufacturer – Foshan Nanhai Tianyu Intelligent Fire Suppression Equipment Co. Ltd.  
China.

Tianyu is a high tech enterprise, employing over 60 professionals, engineers and technical staff, incorporating R & D, production, QC, testing, marketing, installation and after sales servicing in one entity. The factory is located in Foshan City, Guangdong Province, China.

Tianyu is a leading manufacturer of the large air space range of fire fighting products. It had actively participated in the publication of the Guangdong Provincial Standard on Large Air Space Intelligent Fire Extinguishing System (DBJ12-34-2004).

Products from Tianyu have been used in many projects in China for protection of large air space at atria in shopping centres, airports, exhibition centres, railway stations, museums, hotels, etc.

List of major projects where the water monitor is installed by Tianyu in China:

1. Beijing Olympia Swimming Complex.
2. Guangzhou Poly Building and Exhibition Centre.
3. Guangzhou Railway Station.
4. Shenzhen Art Hall.
5. Henan Museum.
6. Nanjin Olympia Sport Stadium.
7. Foshan IT City.
8. Kunming International Exhibition Centre.
9. Dongguan Walmart Shopping Centre.
10. Yunnan Dichin Airport.
11. Guangzhou Zhujiang Hospital.
12. Guangzhou Hyatt Hotel.

List of installations in Singapore:

1. Suntec City Mall
2. Novena Square
3. Velocity
4. United Square
5. Chinatown Point
6. Marina Bay Sands
7. Rendezvous Hotel
8. Orchard Central

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