

WindowMaster Launches Compact SHEV Control Unit for Enhanced Fire Safety and Comfort Ventilation

2 months ago



Natural and smoke ventilation experts, [WindowMaster](#), has unveiled its latest innovation in smoke and heat extraction technology: the [WSC 106 compact SHEV control unit](#).

With one smoke zone, this high-performance unit has been designed to meet the rigorous demands of fire safety and daily ventilation.

With six amps of output current, it is engineered for small to medium-sized buildings, including stairwells, restaurants, and commercial spaces, the WSC 106 provides reliable smoke and heat exhaust ventilation (SHEV) while providing daily comfort ventilation

It can be connected with standard $\pm 24V$ DC actuators and WindowMaster's MotorLink® enhanced actuators, ensuring windows open immediately in critical fire situations.

Clearing the Way: Smarter Fire Safety and Faster Evacuations

Maintaining clear escape routes is essential for safe evacuation in the event of a fire. The WSC 106 is specifically designed to respond immediately to smoke detection by opening windows to rapidly vent smoke, heat, and toxic gases, and letting in fresh air, improving visibility and protecting occupants from smoke inhalation.

CE marked according to EN 12101-10 and complying with ISO 21927-9, the WSC 106 meets the current European safety standards, ensuring compliance for UK construction projects focused on life safety and

regulatory accordance.

Smart, Reliable, and Easy to Install

Other key features of the WSC 106 include:

- Simple installation – harnessing modern BUS technology, simplifying wiring for smoke detectors, ventilation buttons, and fire alarm systems.
- Easy and efficient configuration – Eight DIP switches allow for quick adjustment of window and vent opening behaviour.
- Flexible system integration – Works with WindowMaster’s MotorLink® technology, standard 24V drives, and pyrotechnic gas generators

Improving Standards for SHEV and Ventilation

Beyond building safety, the WSC 106 also supports everyday ventilation needs, providing a dual-purpose solution for modern building design. For architects and specifiers interested in low-carbon design, WSC 106 can be easily integrated into building projects, ensuring regulatory compliance while enhancing occupant comfort and indoor air quality.

“In a fire emergency, every second counts,” says Erik Boyter, CEO of WindowMaster, “the WSC 106 is designed to respond instantly, ensuring smoke is rapidly extracted to keep escape routes clear, improve visibility, and ultimately protect lives. Its compact size, seamless integration, and ease of installation make it a no-brainer for UK architects, contractors, and fire safety engineers looking for a smart, future-proof solution that prioritises both compliance and occupant safety.”

For more details, visit <https://www.windowmaster.com/products/controllers/wsc-106-mh-s/>