System components

EV-301 interface panel

easivent

The EV-301 interface panel monitors and controls smoke control ventilators and interface devices.

With configurable modes it can operate as a standalone AOV control panel or as a natural shaft system or as part of a networked mechanical solution. The panel is addressable and communicates to a shaft control panel providing status and diagnostics features via the EV-HMI7 user interface.

It provides powered outputs for smoke vents / dampers and door actuators with a separate output for dedicated environmental ventilators.

Interfaces with smoke detectors, fire alarm interfaces, override switches and environmental sensors with line monitoring of all critical input and output cabling for faults.

Features:

- 3 Amp 24VDC actuator output with power break switching
- Separate 1 Amp 24VDC environmental damper output
- Two fire alarm inputs for smoke detector circuits, fire alarm interfaces or call points
- Override switch connection with status signalling
- Signal changeover contact configurable for environmental control, status signalling and alarm interfaces
- 0-10V space temperature sensor or thermostat input for environmental control
- Smoke vent position feedback
- Line monitoring of all critical inputs and outputs in compliance with prEN 12101-9 and ISO 21927-9
- Built-in BS EN 12101-10 compliant power supply and charger unit for optional battery back-up
- Onboard LED status indications and reset button
- Configuration and addressing by DIP switches
- Standalone mode for isolated commissioning and maintenance activities
- Compatible with legacy SP-300 installations

Specifications:

Enclosure:	Metallic, powder-coated with white gloss finish
Ingress rating:	IP42
Environment:	-5 to +40 °C ambient temperature
Mounting:	Surface mounted, 4 no. 5mm dia. fixings
Dimensions:	323h x 301w x 85d mm
Weight:	4.4kg (6.2kg with batteries)
Power supply:	230VAC, 0.56A at full load, 30mA in standby
Smoke vent output:	24V DC, 3.0A
Back-up/daily output:	24V DC, 1.0A
Internal fuses:	Supply: T1.25A 20x5mm Output: T3.15A 20x5mm
Signal contact rating:	30V DC, 2.0 A
Terminations:	Spring clamp type, 2.5mm² maximum cable size
Communication:	RS-485 protocol slave to a master Easivent main control panel
Conformity:	CE Marked to low voltage and EMC directives
	BS EN 12101-10, prEN 12101-9, BS ISO 21927-9