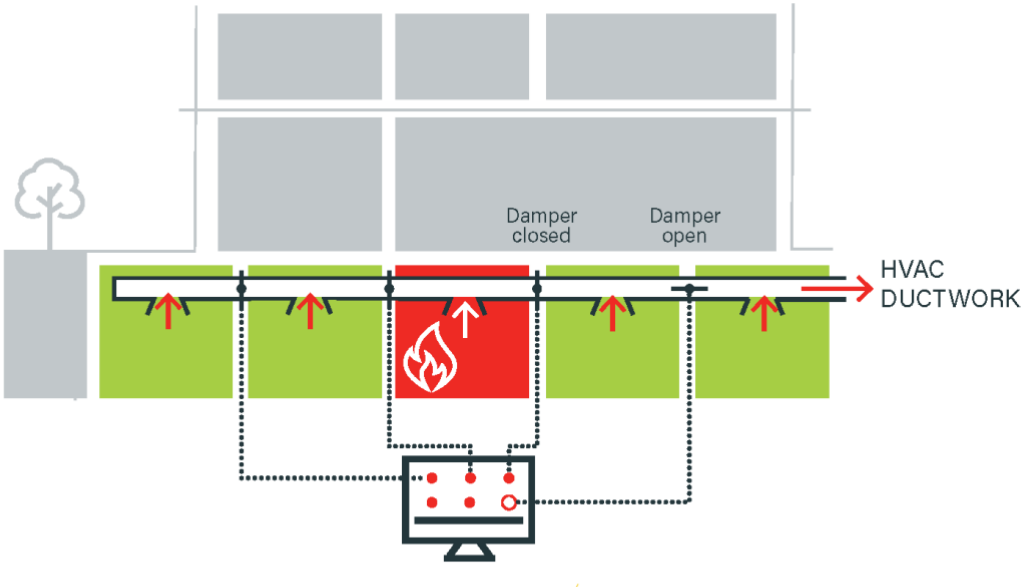
UniDamp

Addressable Fire/Smoke Damper Control System

SYSTEM SPECIFICATION



Overview

The damper control and monitoring system shall be the UniDamp addressable damper control system manufactured by SCS Group. UniDamp is a fully addressable control system with a standardised, modular software program that manages the operation of the complete system and offers remote interrogation and maintenance and interfacing with the building management system (BMS).

The controls are configurable on site through a menu driven touchscreen without the need for onsite programming. The system features a remote self-test facility that can perform system tests at scheduled intervals and issue compliance reports or notify errors to building management. The system shall be installed and certified by a member of the SCS Group approved supplier network.

Component Specifications

EV DCP-N Central control centre for intelligent control and monitoring of smoke control dampers and monitoring for manual fire dampers through the SCS UniDamp EV 100 damper interface unit. The open protocol user friendly software is configured through the panel mounted 12 inch user interface panel with simple to use touch screen driven menu system. The panel can control up to 120 damper interface units and panels can be networked for larger installations. Zoning of dampers is easily achieved and can be altered at any time to suit modifications to cause and effect scenarios.

The system has the facility for remote monitoring and scheduled testing of dampers to ensure long term safety of the system. The power supply to the PLC and comms network is fully compliant with BS EN12101:10 Smoke and heat control systems. BMS interfacing is available through Modbus TCP/IP

EV-100

The EV100 damper interface unit is a flexible and reliable controller for all types of smoke control and fire damper. The unit is suitable for spring return fire dampers or drive open drive closed smoke control dampers and can be used to monitor manual fire dampers. The interface is used in conjunction with the EVDCP-N to provide a complete damper control system or can accept a signal from a smoke detector or fire alarm interface unit for individual control. Modulating dampers can be controlled with monitoring of positional feedback at the main panel.

EV-IOD (where applicable)

Digital input/output device with 8 digital inputs and 6 relay outputs for receipt of signals from third party systems, typically fire alarm or BEMS and control of ancillary items e.g. fans. For use with the EVDCP main control panel range.

Electrical Wiring

The electrical wiring for the system shall be provided with a CWZ classification in accordance with BS EN 8519 and installed in accordance with the Electrical Wiring Regulations. Cable categories to be in accordance with the single line diagram reference SCS Group UD-SLDA-1020-V1.