DynamixSmoke

Job Done. Smoke Control.

Market-Leading Smoke Control

Designed for standalone, dedicated* and non-dedicated** systems, DynamixSmoke is easy to set up on our Axis AX panels. Simply by adding a smoke control user interface and SLC loop interface modules, you can achieve automatic and manual control of smoke control fans and dampers.

Advanced’s DynamixSmoke features are:

•  Approved to: UL864 standards – complies with UUKL requirements.

By choosing Advanced’s DynamixSmoke, you have access to all the features required by the world’s most demanding smoke control standards.

Matrix Programming

Simple Programming

*Dedicated smoke control systems control all smoke control functions and operate independently from HVAC and other control systems.

**Non-dedicated smoke control systems share control of fans/dampers with other building systems, typically HVAC systems. When a smoke/CO/fire condition occurs, the smoke control system takes over control of all fans/dampers in the building.

DynamixSmoke from Advanced gives you complete and active smoke control from the fire system. Nobody makes it simpler to set up, configure and use, thanks to our 4-step configuration process.

We’ve ultra-simplified programming by swapping complex data inputting for an easy-to-use matrix that saves you time and gives you a clear, at-a-glance view of all your fan and damper settings.
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Market-Leading 4-Step Configuration

1. Quick, Clear Configuration of Smoke Compartments across Sites
   - Simply input the number of compartments you require, then assign the fire detection zone(s) you want to include per compartment.
   - By default, any smoke detector in a zone assigned to a particular compartment will initiate smoke control.

2. Auto-Configuration of Fan and Damper Interfaces
   - Define which loop (SLC) devices are used for smoke control and our software will configure the system for you.
   - The programming “wizard” automatically defines each SLC-based I/O module as a fan or damper control device and pre-configures them to run-in step or stepwise.
   - Our software even configures any required feedback delays, massively reducing configuration time.

3. Flexible Manual Control Options
   - Choose integrated or independent standalone switch cards to provide manual and automatic options.
   - Each card can control up to six groups of, or individual, fans and dampers or fan/damper combinations.
   - Up to 15 fan and damper switch cards can be connected per node or per panel.

4. Customizing Options

   a. Post-Alarm Purge
      - You can easily program DynamixSmoke to allow smoke to be manually cleared from an area of a building following a fire event.

   b. Cascade Option
      - Sometimes it is necessary to prioritize the safe containment or extraction of smoke in critical areas of buildings in the event of a spreading fire.

   c. Simple Sequential Fan Restart
      - In buildings without smoke control systems, it is common for any fans (used by building HVAC systems) to be shut down in the event of an alarm to prevent the spread of smoke and fire.

   d. Automatic Stairwell Pressurization
      - It is easy to program cause and effect for stairwell pressurization. Just select if you require automatic only, manual or both types of device to trigger the fans and dampers.

   e. Interlocks
      - An interlock can be used to prevent a fan from running until certain conditions are met.

   f. Automatic Testing (dedicated systems)
      - In systems where fans and dampers are dedicated to the smoke control system, periodic testing is crucial to ensure that they will work as expected in an emergency.

   g. Custom Smoke Control Annunciators
      - Where local codes stipulate the need for a Custom Graphic Smoke Control Annunciator, our I/O 48 module provides an ideal solution.

   h. Group Manual Controls
      - Group manual controls allow manual override of automatic settings within a particular smoke compartment via switch cards, key switches or push buttons.

   i. Fire Fighter Smoke Control Reset
      - Following an alarm, fans and dampers can return to their normal state as soon as the alarm is reset.
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