Advanced Technology
Smart Solutions...

Maxlogic Intelligent Addressable Smoke Damper Modules

Developed by Mavili Electronics, Smoke Damper Module provides optimum and integrated operation of ventilation systems and fire alarm systems. Maxlogic Smoke Damper Module eliminates the need to manage a smoke damper with **multiple relays and switch monitoring modules.** Maxlogic Smoke Damper Module can perform multiple tasks with a single address in intelligent addressable fire alarm systems.

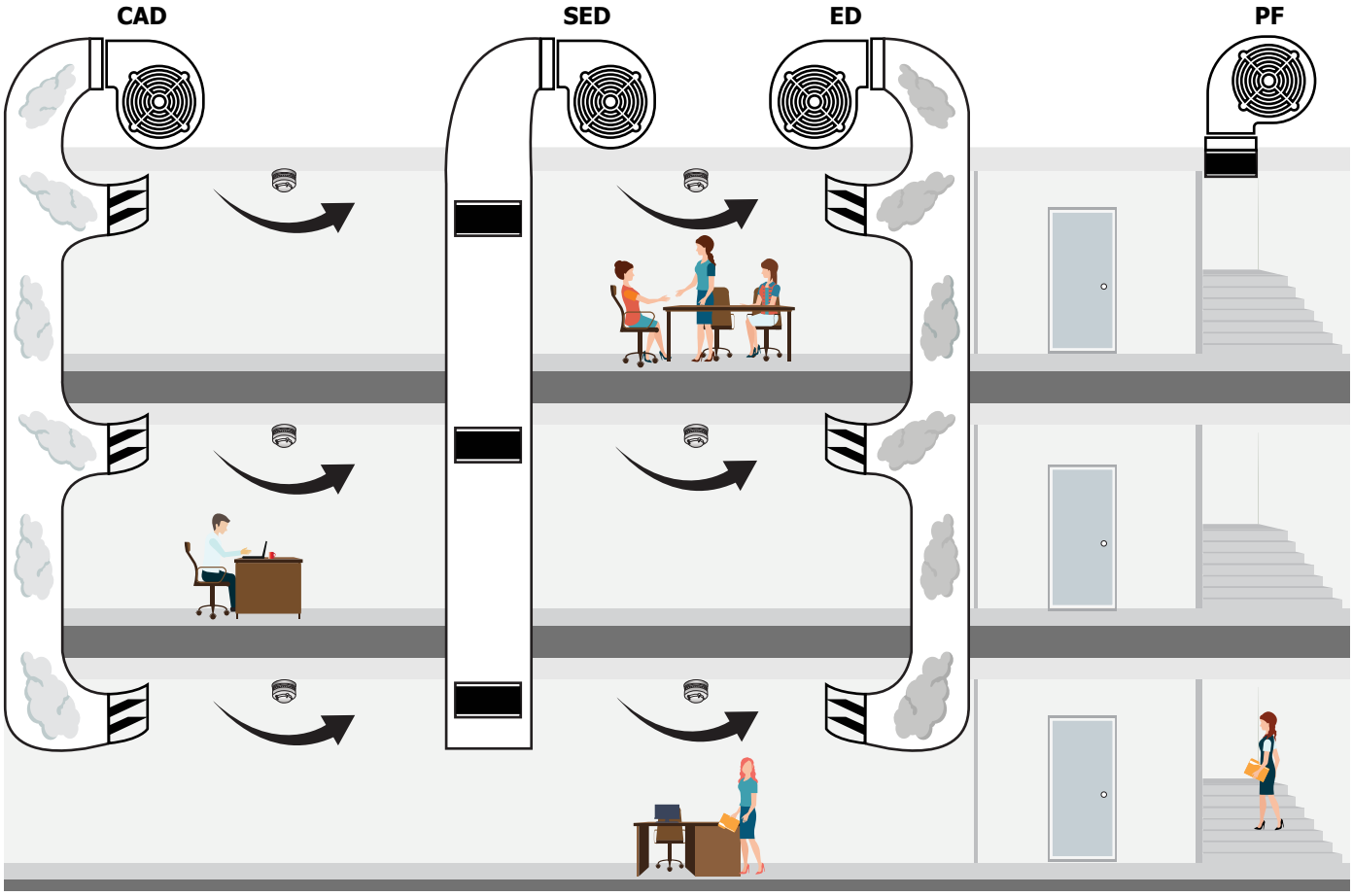
- Comply to **EN 54-18**, models with short circuit isolators comply with **EN 54-17** standards.
- LEDs that give the operating information of the module: **Green LED** for **power**, **Yellow LED** for **fault**, **Red LED** for **alarm**, green LED lighting up continuously when damper is open or close (green led flashing when damper is opened/closed)
- 220V AC, 24V DC and 24V AC operating voltage options to suitable for all smoke dampers
- **On / Off** buttons for manually opening and closing the damper, **On / Off** inputs for switching on and off with remote control
- **Open / Short circuit** monitoring of damper remote control inputs
- Display of the smoke damper module, **Open, Closed** and **Damper Fault** positions.
- **Open, Closed** and **Damper Fault (stay in between)** locations of the dampers can be seen from the panel event logs and the screen of the panel
- Damper output line, remote control input, position monitoring input, detection of **open / short** circuit faults
- Damper opening and closing times can be set to **30, 60, 120, 240 seconds**, for **Position Monitoring** inputs
- **Damper Fault** can be seen on the screen if the damper that does not change position within the delay time
- **Controlling damper motors with one address and monitoring position switches**

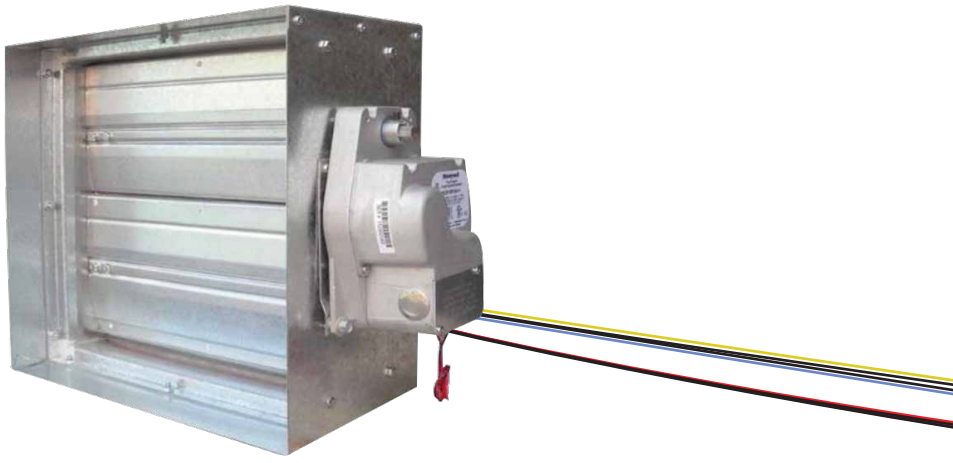
maxlogic & mavigard
fire and gas detection systems

Normal Condition

In buildings, fresh air is supplied to the environment through **Clean Air Ducts (CAD)**. The dirty air is discharged through the **Exhaust Ducts (ED).**

CHANNEL	DESCRIPTION	NORMAL STATUS
CAD	Clean Air Ducts	ALL OPEN
SED	Smoke Exhaust Ducts	ALL CLOSED
ED	Exhaust Ducts	ALL OPEN
PF	Pressurization Fans	CLOSED

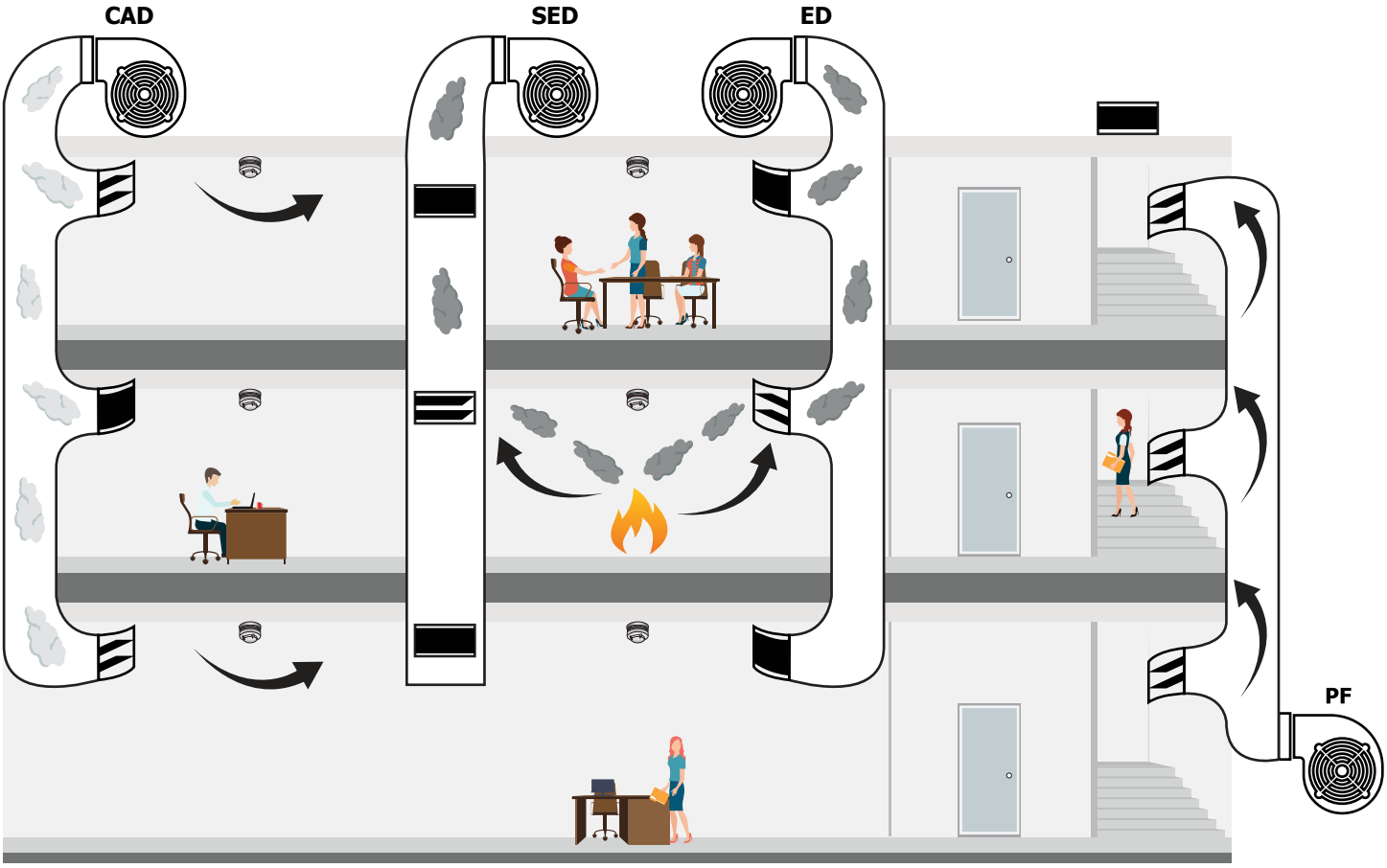


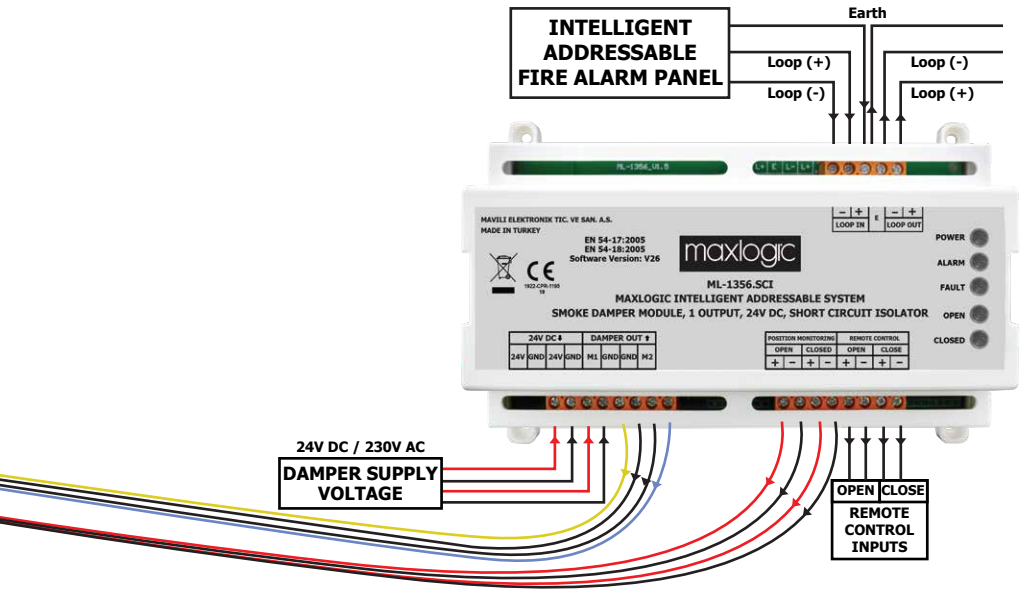


Fire Condition

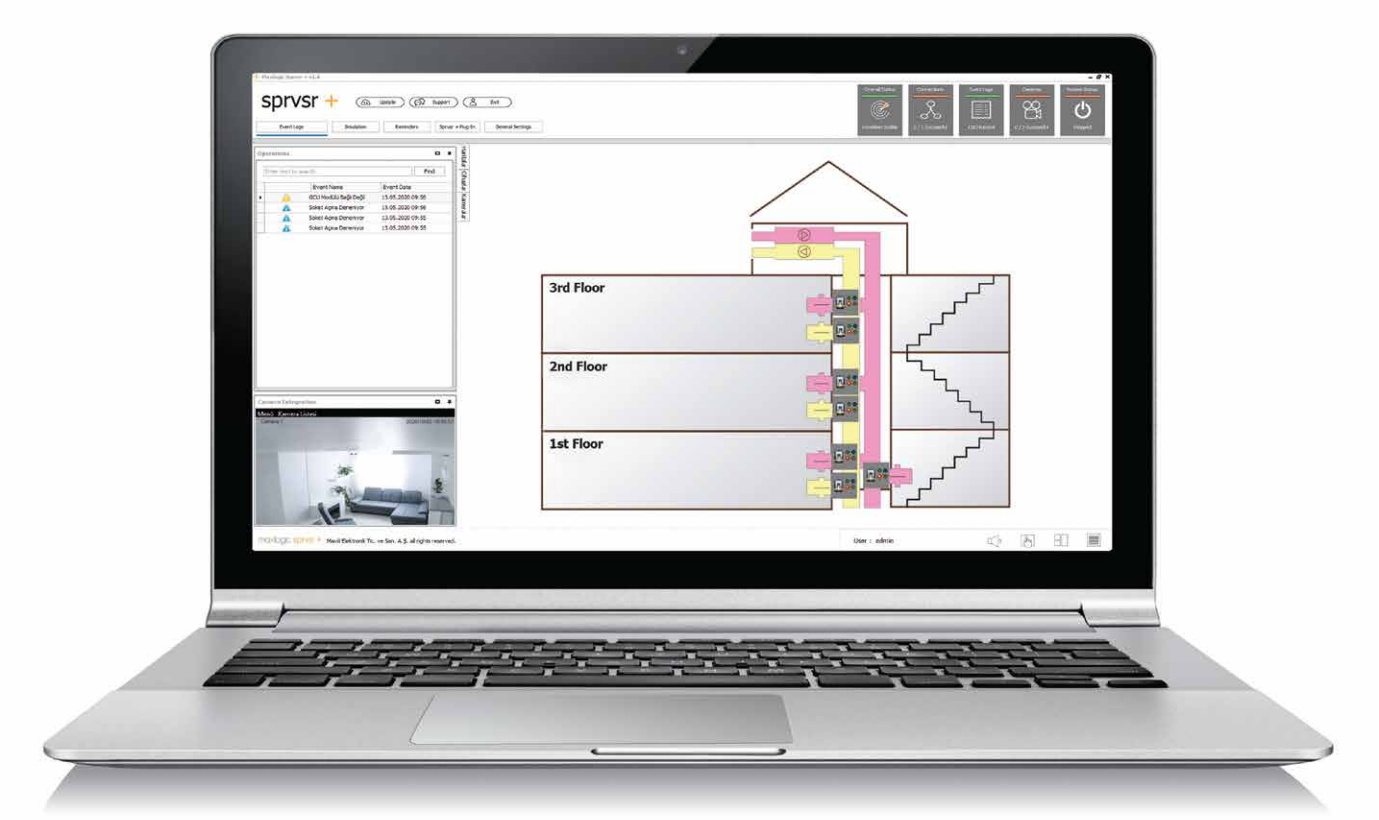
In case of fire in the buildings, the **Clean Air Ducts (CAD)** in the area they are located are closed to extinguish the fire. **Smoke Exhaust Ducts (SED)** and **Exhaust Ducts (ED)** are used to discharge smoke from the environment. To ensure the use of the stairs, compressed air is supplied to the stairs using the **Pressurization Fans (PF)**, thus limiting the passage of smoke.

CHANNEL	DESCRIPTION	FIRE ZONE STATUS	STATUS OF OTHER ZONES
CAD	Clean Air Ducts	CLOSED	OPEN
SED	Smoke Exhaust Ducts	OPEN	CLOSED
ED	Exhaust Ducts	OPEN	CLOSED
PF	Pressurization Fans	OPEN	-





Smoke Damper Control with Sprvsr+ Software



- Monitoring of **Open, Closed and Damper Fault** positions of Smoke Dampers
- **Open / Closed** commands can be send to Smoke Dampers
- Smoke Dampers can be monitored for "**Fault**" conditions
- **Loop Manager +** software configuration can provide module **Zone Numbers** and **Location Information**
- Inclusion of scenarios to enable **Smoke Dampers** to be opened and smoke evacuation at the location of a fire. Also, the **Smoke Dampers** can be turned off in other rooms connected to the channel to prevent smoke from entering other rooms.
- Scenario to prevent the entry of smoke into escape routes such as stairs by operating the **Pressurized Damper** in case of fire
- If required for security reasons, **1st Level** and **2nd Level Delay** assignments can be made to enable **Smoke Dampers** to be opened and closed in a delayed mode.

MODULE MODELS

Product Code	Description
ML-1356	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 24V DC
ML-1356.SCI	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 24V DC, With Short Circuit Isolator
ML-1357	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 24V AC
ML-1357.SCI	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 24V AC, With Short Circuit Isolator
ML-1358	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 220V AC
ML-1358.SCI	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 220V AC, With Short Circuit Isolator