



Smoke Curtain

Model 200

 **Euro Systems®**
Design with Passion

Smoke curtain

Model 200

System Description

Euro Systems Model 200 (M200)

creates a code compliant smoke and draft control assembly when paired with common fire-rated elevator doors. Euro Systems screen consists of a reinforced, transparent, polyimide film. The film edge is connected to flexible magnetic strips which adhere to ferrous metal rails as the system deploys creating a tight seal. The M200 uses standard building power. The system may be connected to standby power.

Codes and Standards

The M200 works in conjunction with the already fire-rated elevator doors to exceed the NFPA and IBC requirements for a smoke and draft control assembly. This enables the elevator to open directly onto the corridor.

System Operation

Euro Systems is designed to protect elevator openings and shaft from vertical smoke migration. The system will deploy when the smoke detector in front of the elevator opening goes into alarm (or on loss of power to the unit). The system is not designed to deploy on general alarm. As the lobby smoke detector goes into alarm, the elevator will automatically return to the recall floor. If an elevator occupant were to encounter a deployed M200, a screen rewind switch located on both sides of the screen will allow for egress. If smoke is still actively being detected, the screen will then redeploy to seal the opening.

If AC power is lost, The M200 operates on a fail safe basis, triggering screen deployment. A deployment delay is built into the system to avoid nuisance deploys on brief power outage. As power is restored, the screen will automatically rewind into the housing. Unit Dimensions. The M200 is available in two standard screen sizes which will cover openings up to 48" wide (assuming a standard 2" elevator door frame). Consult eurosystems.net for detailed information on this product.

Installation

Euro Systems units are installed by factory recognized personnel. There is minimal preparation work. Installation requires a clear, plumb, unobstructed wall surface above the hoistway door, 120v AC power and a UL 268 conforming smoke detector.



Physical Properties

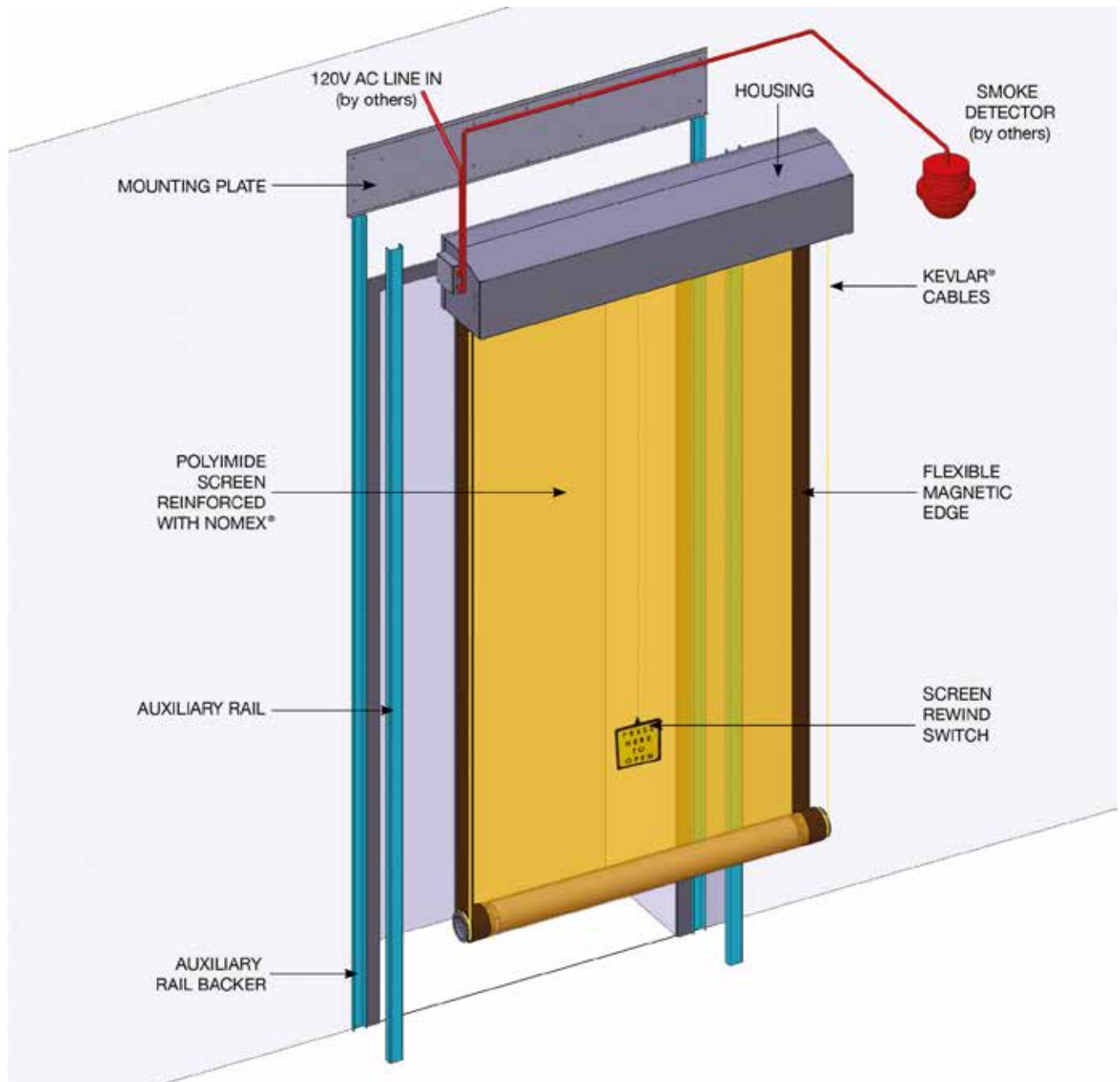
- housing lengths: 55" and 64"
- housing height: 10.5"
- housing depth: 10"
- return depth: 1"

Compliance / Performance Standards

- UL 1784 "Air Leakage Tests of Door Assemblies"
- UL 864 "Control Units for Fire Protective Signaling Systems"
- ICC Evaluation Service Report ESR-1136
- 2003 International Building Code Section 715.3.3
- 2006 International Building Code Section 715.4.3
- 2009 International Building Code Section 715.4.3.1
- 2012 International Building Code Section 716.5.3.1
- NFPA 105 "Installation of Smoke Control Door Assemblies"

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Fail Safe Secure.

The M200 operates on a fail safe basis. The loss of AC power will trigger screen deployment. There is a deployment delay on power failure built into the system to avoid nuisance deploys on brief power outage. Upon restoration of power the screen will automatically rewind into the housing.

Listed Releasing Device.

The M200 features a releasing device tested in accordance with the UL 864 standard. Rewind Switch. Euro Systems rewind switch may be activated from both sides of the screen. This feature allows elevator occupants to exit from the elevator car using the interior (shaft side) of the switch. The screen will then redeploy after egress, as long as the smoke detector continues to be activated, providing continued smoke protection for the elevator hoistway.



Scan code to view on
Smartphone or Tablet device

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