

Doorman

Smoke Door Actuator



Data Sheet

DOORMAN SMOKE DOOR ACTUATOR

The Colt Doorman is an addressable smoke shaft door operator. It controls the movement of doors when they are used as part of a smoke control scheme, allowing the passage of smoke from corridors and lobbies into smoke shafts, as an alternative to a smoke damper.

The Doorman consists of individually addressable and controllable door actuation systems linked to the fire alarm system via a Colt OPV system. Each Doorman includes the door operator, and communication module, and it is all packaged to allow easy installation on site.

During normal, non-fire conditions, the system is in its monitoring mode. In the event of a fire, the Colt OPV panel operates the Doorman Door Operator on the specific fire floor in conjunction with the roof mounted ventilator at the top of that shaft allowing smoke to be extracted from the fire floor.

FEATURES AND BENEFITS

- Robust mechanism ensures doors stay locked when not in use but open when required
- Modular design allows ease of installation and flexibility in location of components. Supplied completely assembled, and simple installation onto rear face of door
- One standard size for all doors - 790mm wide (door height would then need to be 2150mm to meet Approved Document B)
- A 'Colt Shaft' option allows for the narrower doors that are used on these systems, suitable for doors 600mm wide and above
- Exhaustively tested in-house
- 230v ac and 24v dc options.

Colt offers a complete install, wire and commissioning service, thus all the components are contained within one package of works and under one company's responsibility.

SPECIFICATION

Addressable smoke shaft door operator for smoke ventilation from corridors, lobbies and stairwells into smoke shafts.

Designed to allow the passage of smoke from such areas into smoke shafts, by opening the shaft door(s) on the fire floor and keeping any shaft doors on the non fire floor(s) closed.

Each unit individually addressable and controllable, and able to communicate back to a central panel. Each operator includes actuator, communication module, local reset switch and adjustable fixing brackets which allow release of the mechanism from the corridor if necessary. (Front fix option only).

Designed to be installed onto the back of a certified fire door of a minimum 790mm width. It is suitable for fire doors requiring up to 30 Nm opening and closing torque, as Certifire Technical Schedule TS 21: Smoke Door Seals. Actuator tested and has successfully completed 10,000 operations at full design load.

Incorporating a 230 V ac / 24 V dc electric chain drive motor. Suitable for use where a maintained mains electrical supply is installed in the building.

Architectural Solutions

Climate Control

Smoke Control

Service and Maintenance

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