

pneumadoor

configure

Pneumatic Door Opening System PD

No specialist installation required

A range of control devices may be used to activate the door including a low-pressure switch, PIR detectors, pressure mats, and a personal 'key-fob' transmitter

Control devices can be located on one or both sides of the door

The control unit should ideally be fitted near the door

1no 13amp socket or fused spur required for control box

Adjustable door opening time

Certifier accreditation pending

Patents granted in US number 5771635 and Europe number 729550

Conforms to BS 1634-1

Stainless steel 'push to open' push pad

Height	125mm
Width	125mm
Depth	60mm

Powder coated steel actuator unit

Height	65mm
Width	56mm
Length	320mm

Control box , including air compressor and power supply

Depth	55mm
Width	120mm
Height	175mm
Noise emissions	50dB at 1m

This information is available in alternative formats

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DDA/Product Sheets/Pneumadoor

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To be fully accessible, Part M requires that doors must be able to be opened using a maximum force of 30N. However, in practice, a greater force is normally required to fully close the door due to friction in the hinges and interference with any door seals.

The **Pneumadoor** opening system solves this problem by incorporating a pneumatic opening alternative for those that need assistance. The unit retains a conventional spring assembly to close the door, and can be retro-fitted to replace any existing manual door closer. The system enables normal operation of the door when automatic opening is not required.

Related Products and Services

Label - Low Energy Door Opener Entry Systems

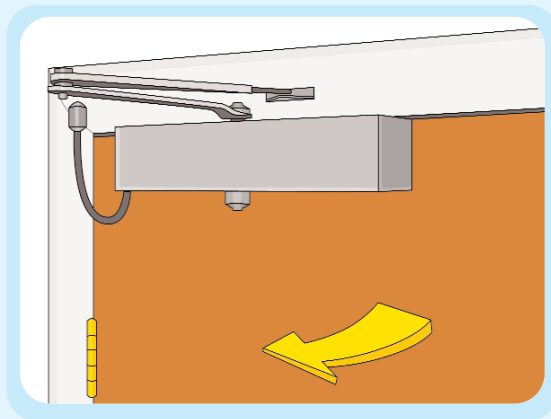
Configure is the leading commercial property access company in the UK and Ireland, providing integrated solutions for businesses to make their products and services more accessible to disabled people.

We offer a comprehensive range of cost effective and easy to implement services that include access audits, auxiliary aids, building adjustments and staff disability equality training.

- **Similar footprint to a standard door closer** (325mm x 68mm) for easy retro-fitting
- Rated as a Power Size 4 closer (1000mm wide, up to 80kg)
- Ultra-compact unit operates one door
- Can be integrated with fire alarm systems and fitted with battery back up for use in event of a power cut
- Doors automatically close after 7 to 120 seconds
- Suitable for wooden, aluminium, or glass doors
- Can be used with an electronic door lock
- Optional 'hold open' function available

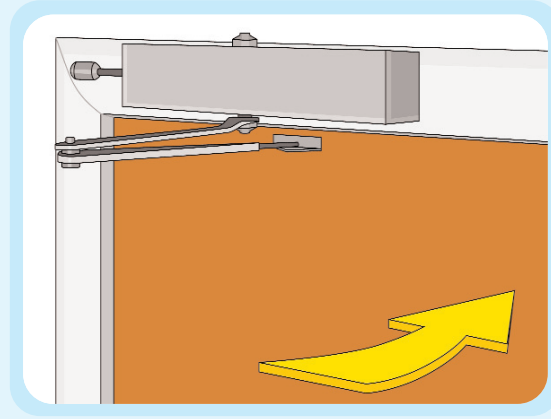


Installation Configuration Options and Technical Summary



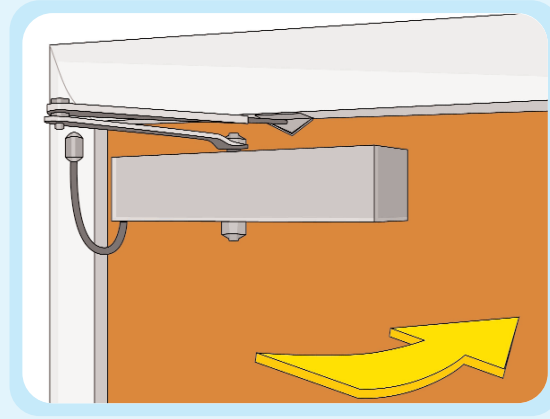
Standard configuration

Door actuator is mounted on the door itself and on the **same** side as the visible hinge. Suitable for doors fitted with an electric release system.



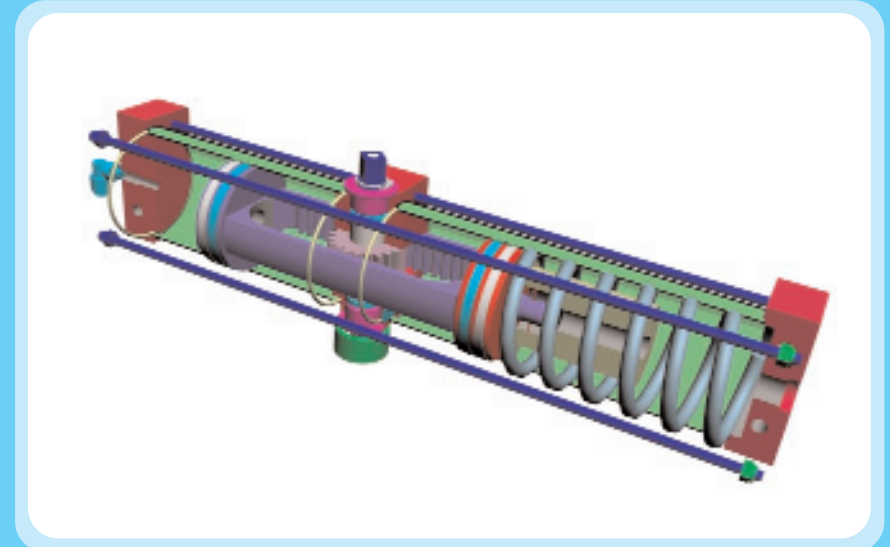
Transom (frame) arm bracket configuration

Door actuator is mounted on the **opposite** side of the door to the visible hinge. May not always be suitable for doors fitted with an electric release system.



Transom (frame) mounted configuration

Door actuator is mounted on the transom above the door on the **opposite** side to the visible hinge. Requires sufficient frame depth to accommodate retaining screws.



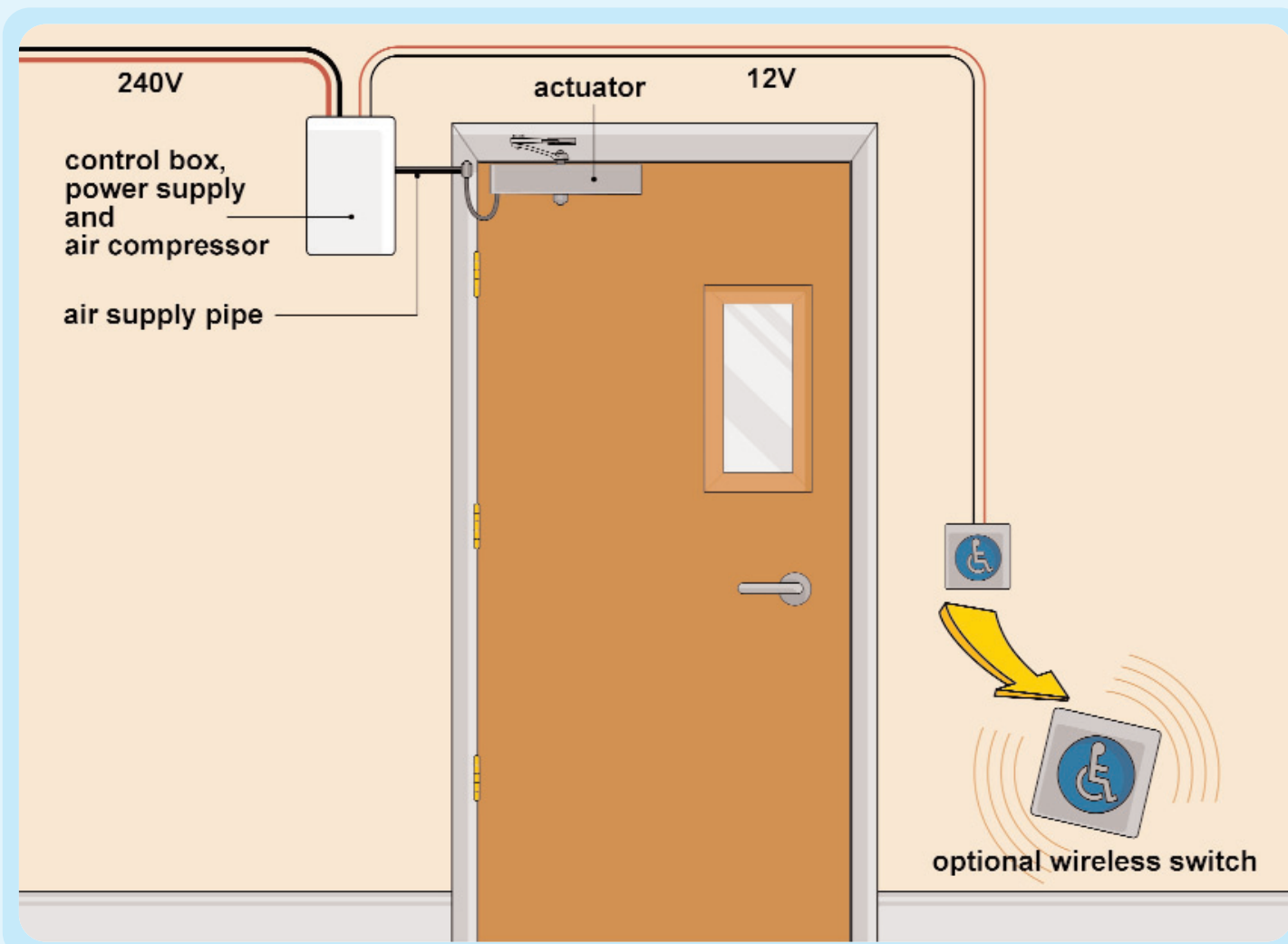
Actuator - Cutaway view

Like conventional door closers, when the door is opened manually, the spring compresses as the door opens, and decompresses to close the door in a controlled fashion.

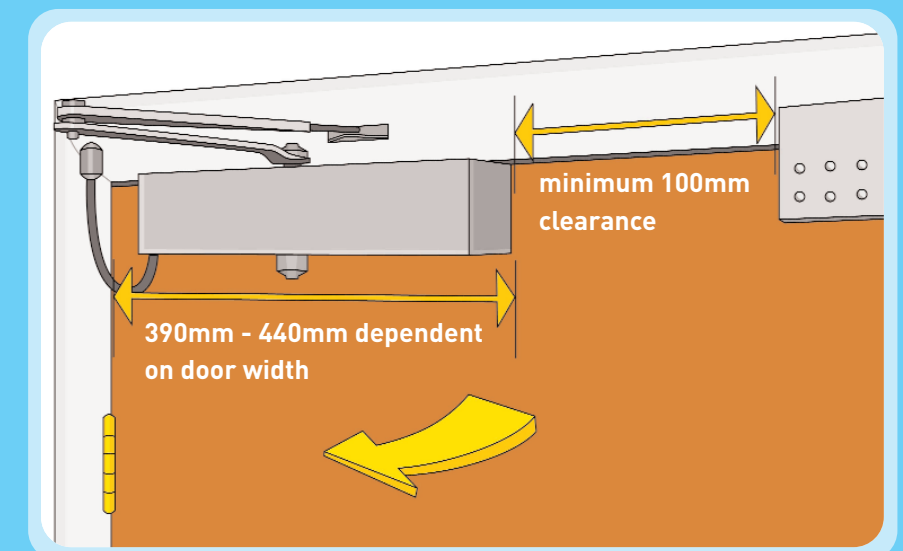
When powered opening is required, the user presses the push pad (or other device) causing compressed air to be delivered to the piston inside the actuator, opening the door in a controlled manner. Once the air is released, the door is closed.

Air pressure is maintained to hold the door open for a set period of time or until the push pad is pressed again.

Schematic view of installation ONLY



- Air compressor and power supply units are contained within the control box
- Compact 12V door control box controls one door
- System can be adjusted to alter the amount of air supplied when doors are operated, accommodating different weights and sizes of door as well as variable friction in the hinges
- Return spring is torqued up in the same way as a conventional door closer to provide sufficient closing force
- Full installation service available
- Emergency service visits and annual maintenance contracts available



Installation with a magnetic lock

When installing the system with a magnetic lock, a minimum clearance of 100mm must be left between the lock and the actuator. This provides sufficient clearance for the arm to open fully without interference.