

NBS Specification

FD20 Swing Door Operator

FD20 electro mechanical swing door operators provide quiet and smooth door operation. They are suitable for a internal and external doors in a wide variety of applications such as retail, hotel, office, airports, stations, hospitals, schools and industrial and commercial premises. Furthermore they are capable of reliably opening and closing doors even if exposed to wind speeds of up to 80 km/h (320Pa)

All equipment is designed to meet the rigorous safety requirements of; BS EN 16005:2012.,Part M of the Building Regulations, The Equality Act 2010 and BS8300:2009. Furthermore equipment is installed by Automatic Door Suppliers Association (ADSA) accredited engineers.

Standard details for FD20 Swing Door Operator

- Product reference FD20 swing door operator

Product properties

- Door configuration Single or double leaf
- Door leaf width 850 mm to 1600mm
- Door height up to 2500mm
- Finish: Natural anodized aluminium
Poished chromium steel
- Power Adjustable- low energy or full power
- Operator size 95mm high x 120mm deep x 690mm wide
- Safety features Emergency opening, in the event of power failure or fire alarm the door can be used manually
Fire alarm connections ensure door closes under full control from any position of operation.
Finger safety guards and active infrared safety sensor to prevent contact with moving door leaves

Guidance for FD20 swing door operator

As standard

Drive system

- Non –handed in-swing or out swing operator. Face mounted
- Power to open, spring closing
- Safety monitoring with automatic stop / reverse mechanism
- Built in program selector keys located on side of operator

Operation

- Electromechanical operation (no risk of oil leakage)
- Integrated LC- display to set relevant parameters
- Active range EN3 – EN7
- Wind load regulation
- Push & Go function

- In the event of power failure the door is closed in a controlled manner by means of the spring closer
- Hold open time 1 – 60 seconds (adjustable)
- Maximum drive power consumption 560W
- Motor Capacity 100W
- Maximum opening angle 105°
- Maximum opening speed 40° / s
- Maximum closing speed 40° / s

Door panel weight

- Up to 250kg Maximum

Power requirements

- 230V single phase. Please note a 13A LIVE neon lit fused spur supply, protected by a 30mA RCD MUST be provided by OTHERS prior to installation. In compliance with BSEN 16005 the mains connection must be capable of disconnection to safeguard against unintentional and unauthorised reactivation .

Options

- Dry contact for transmission of data to building's central control system
- Connection of electric locks / locking mechanism
- Remote control systems
- Contactless detection sensor
- Operating status display in the drive mechanism or on an external control unit
- Safety monitoring with automatic stop / reverse function
- Finger guard protection