

# NBS Specification

## FDC - B Swing Door Operator

FDC –B swing door operators are suitable for a wide variety of indoor applications such as retail, hotel, office, airports, stations, hospitals, schools and industrial and commercial premises. They are particularly suited to heavier doors such as fire rated doors.

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

### Standard details for FDC –B Swing Door Operator

- Product reference FDC-B swing door operator

#### Product properties

- Door configuration Single or double leaf
- Door leaf width 900 mm to 1400mm
- Door height up to 2500mm
- Finish: Polyester powder coated standard BS colour  
Polyester powder coated standard RAL colour
- Operator finish Stainless steel
- Operator size 100mm x 104mm deep x 530mm wide
- Safety features Emergency opening, in the event of power failure the door can be used manually  
The operator can be connected to a building fire alarm to either remain open or closed

### Guidance for FDC-B swing door operator

#### As standard

#### Drive system

- Non –handed in-swing or out swing operator. Face mounted
- Power to open, spring closing
- Microprocessor control
- Built in 3 position switch –manual, hold open, fully automatic

#### Operation

- Electromechanical operation (no risk of oil leakage)

- Integrated damper – prevents the door from slamming shut
- Active range EN4 – EN6
- Door remains in its present position and must be closed manually in the event of power failure
- If a fire alarm is activated the door closes under full control from any position by means of spring action
- Hold open time 1 – 30 seconds (adjustable)
- Motor power consumption :<100W
- Door opening angle 70 to 95°
- Opening speed 30 to 100%
- Closing speed 30 to 100%, fixed if power failure

#### **Door panel weight**

- Up to 200kg 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 connection for an electric lock, door open/shut
- Signal error display
- Progressive regulation and closing speed, hold open time and motor power
- Push and go function
- Safety monitoring with automatic stop / reverse function

#### **Other requirements:**

Additional locking and access control systems can be connected into the operator