

# NBS Specification

## FDC-E Low Energy Swing Door Operator

FDC- E Low energy swing door operators are suitable for a wide variety of indoor applications such as retail,hotel,office,airports,stations,hospitals and schools.

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-E Low Energy Swing Door Operator

- Product reference FDC-E low energy swing door operator

#### Product properties

- Door configuration Single or double leaf
- Door leaf width 700 mm to 1400mm
- Door height up to 2000mm
- 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-E Low energy swing door operator

#### As standard

#### Drive system

- Non –handed in-swing or out swing operator. Face mounted
- 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 EN3 – EN6

- Door remains in its present position and must be closed manually in the event of power failure
- 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 90kg 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