



Besam Swing Door Operator IK-A/IKS-A

The versatile, heavy-duty swing door operator

Besam's swing door operator type IK is the optimum way to automate swing doors in new and retrofit applications. It can be used for all types of internal and external doors. Two main models are available, IK-A for concealed installation with direct drive onto the door pivot point and IKS-A for surface installation where the door is operated by an arm system. The operator can be used for both single- and double-leaf doors and is entirely suitable for the heaviest duty applications.

Emergency escape

The operator for concealed installation (IK-A) gives, door design permitting, the possibility to use the built-in panic system. In an emergency situation the door can always be opened

in the opposite direction by simply pushing against it. Naturally the operator acts as a door closer upon loss of electric power.

Silent and strong

Both models work electro-mechanically. The opening is performed by motor power and the closing by motor and spring power. The operator has a rugged design, which minimises the maintenance costs. The powerful drive unit gives reliable operation also during windy conditions and when there are large pressure differences between either side of the door. The control unit with integrated microprocessor is designed for plug-in connection and subjected to a thorough quality control programme before delivery.

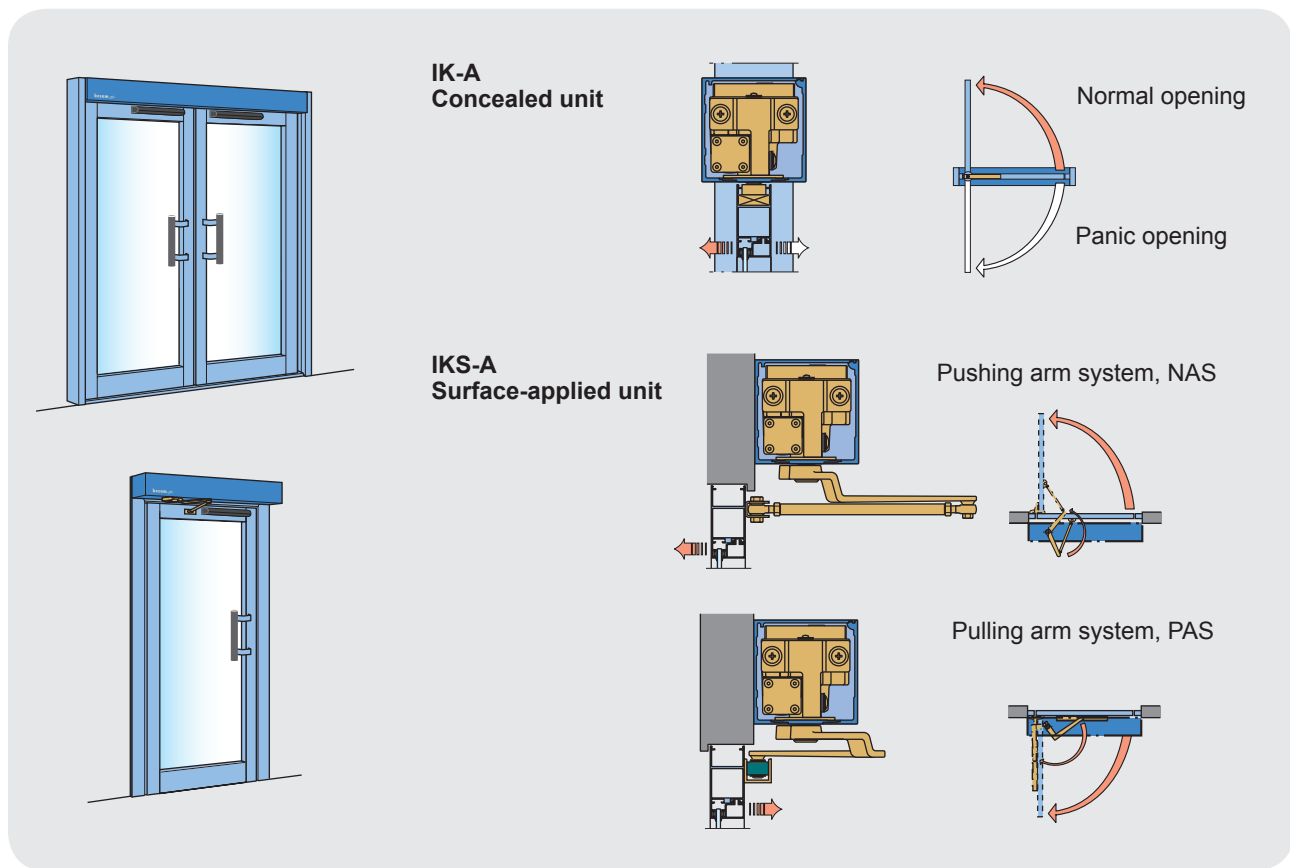
Design

The IK operator is tailored to differ-

ent doors and different customer requirements. The motor, drive transmission and control unit are combined into a compact unit, mounted inside an aluminium header with integrated access cover.

The concealed model IK-A is self-supporting and can be integrated in the complete frame and door assembly. This can be done during the manufacturing of the door frame. The IK-A can also be fitted between walls or posts and can be supplied in lengths to fit the width of the complete door/side screen package, or extend the full width of a corridor. The operator is connected to the door leaf with a steel drive arm bolted within the top rail.

The surface-applied model IKS-A is connected to the door leaf with a pushing, NAS or pulling, PAS arm system.



Technical Data Besam IK-A/IKS-A

Models

- Concealed installation:
IK-A For single doors
IK-A2 For double doors
- Surface installation:
IKS-A For single doors
IKS-A2 For double doors
- Operator length:
IK-A/IKS-A 865/905-1400 mm
IK-A2/IKS-A2 1600/1680-2400 mm
- Sectional dimensions:
152 x 152 mm

Arm systems (IKS-A only)

- Pushing arm system NAS where the operator is installed on the push side of the door
- Pulling arm system PAS where the operator is installed on the pull side

Standard equipment

- Cover – in clear anodized aluminium. Paint finishes optional
- Electronic control unit – with plug-in connections and power supply
- Drive arm (IK-A only) – for doors

- over 45 mm thickness
- Built-in panic system (IK-A only) – which in an emergency situation allows the door to be opened in the opposite direction
- Push and go – means that the door is opened automatically if manually operated (selectable)
- Hold force – an extra hold force can be selected on a closed door, in addition to the normal spring force, if the door is exposed to over/under pressure, adverse winds etc.
- Lock-release – enables an electric locking to unlock before opening (selectable)

Accessories and Options

- Presence sensor – for fitting on one or both sides of the door
- Finger trap protection device
- Door panic stop – to control the closed position of a panic door (IK-A only)
- Presence detection photocells

- Extension unit EXS – used to extend the number of operator functions
- The Besam range of activation units both manual and automatic
- Programme selectors
- Backup battery EUS
- Bottom pivot (IK-A only)

Technical specifications

- Power supply: 230 V, 50 Hz
120 V, 60 Hz
24 V DC
- Power consumption: max. 200 W
- Opening time (0°-80°): variable between 2-6 seconds
- Closing time (90°-10°): variable between 2-6 seconds
- Hold open time: 0-60 seconds
- Ambient temperature: -15° to +45°C
- Operator weight: approx. 30 kg
- Recommended max. door weight:
IK-A 100 kg
IKS-A 250 kg
(max. door leaf width 1400 mm)

Besam Export AB, Box 669, SE-261 25 Landskrona, Sweden
Tel: +46 418 514 00 Fax: +46 418 513 55
export@besam.se • www.besam.com