

# Besam Swing Door Operator – IK-A/IKS-A



## The versatile, heavy-duty swing door operator

Besam's swing door operator type IK 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 suitable for heavy duty applications.

## Emergency escape

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

## Standard equipment

Cover – in clear anodized aluminium. Paint finishes optional

Electronic control unit with plug-in connections

Built-in panic system (IK-A only) – which 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, 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 operator functions

The Besam range of activation units both manual and automatic

Programme selectors

Backup battery EUS

## Design

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.

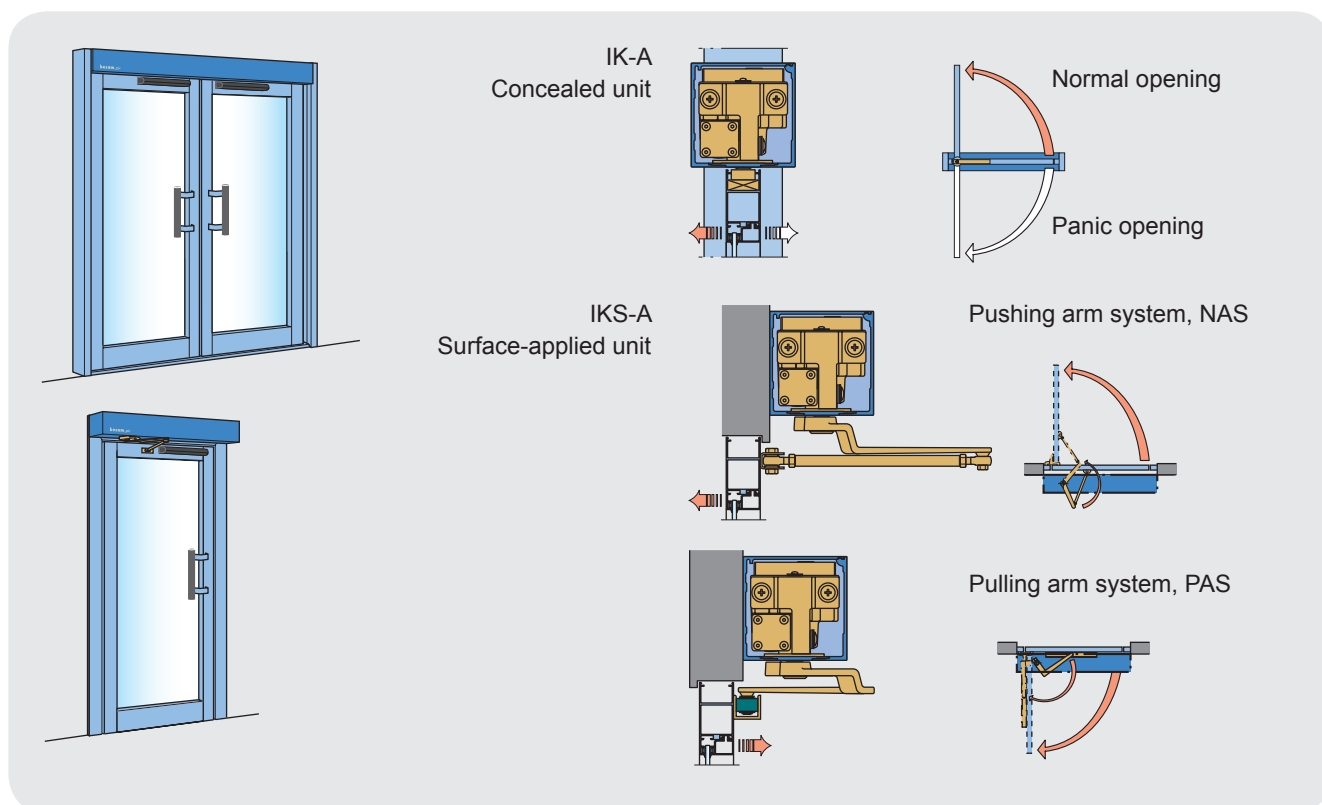
## Models

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

## Adjustments

- Opening time (0°-80°): variable between 2-6 seconds
- Closing time (90°-10°): variable between 2-6 seconds
- Hold open time: 0-60 seconds

## Technical specifications

Power supply: 230 V, 50 Hz, 120 V, 60 Hz, 24 V DC

Power consumption: max. 200 W

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

This equipment should be installed, regularly inspected, maintained and serviced by trained and authorized personnel.

Preventive maintenance plans are highly recommended for a proper and safe operation.

Talk to your Besam representative to learn more about Besam Pro-Active Care!



Besam Export AB, Sweden Tel: +46 418 514 00 Fax: +46 418 513 55  
export@besam.se • www.besam.com