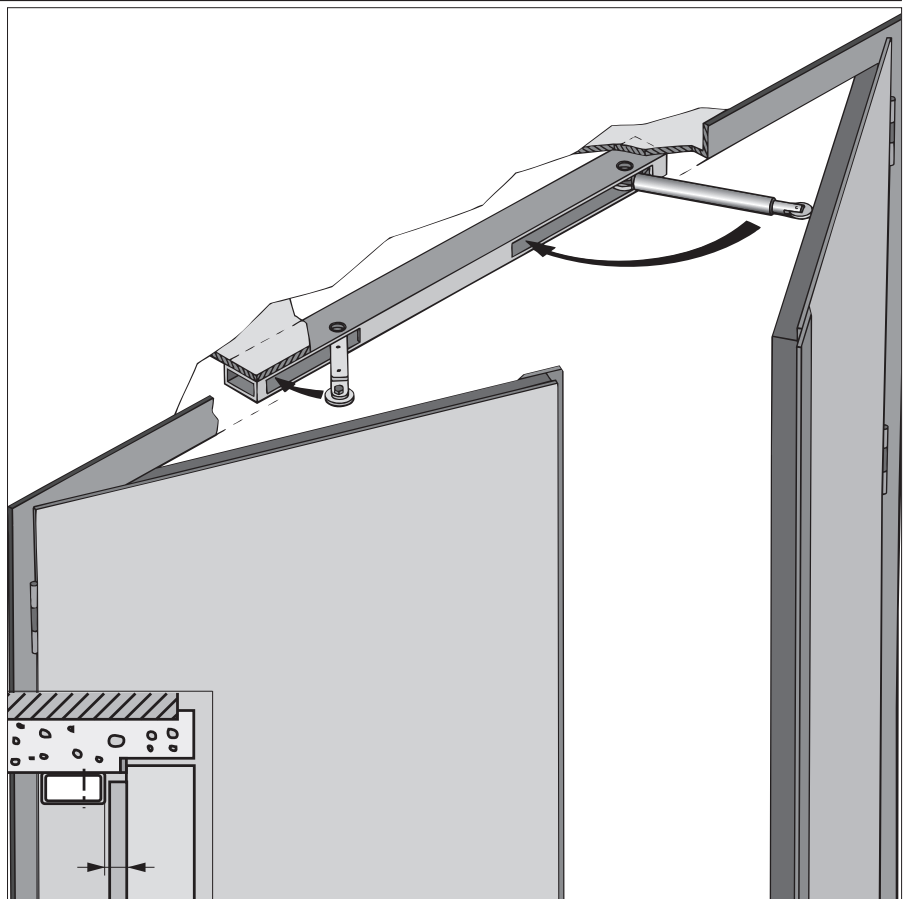


SR 2000 Door Sequence Selector

The SR 2000 DICTATOR door sequence selector is designed for two-leaved hinged fire protection doors meeting high aesthetic requirements. The SR 2000 can be mounted unobtrusively below the door frame behind both door leaves. Model SR 2000 E is provided with an electromagnet keeping both arms of the selector folded in, unless one of the connected smoke detectors switches to alarm and cuts the power supply to the magnet.

In accordance with the relevant regulations, all hinged fire protection doors with two leaves must be equipped with a sequence control to make sure they close in the right order. DICTATOR door sequence selectors ensure the right closing sequence of these doors during being closed by door closers.

The DICTATOR SR 2000 door sequence selector has been tested according to the requirements of the "Regulations for the Approval of Fire Protection Doors" agreed by the German Institute of Building and Construction Engineering in Berlin and the German Standard DIN 4102, part no.18 (certificate no.1200212-02).

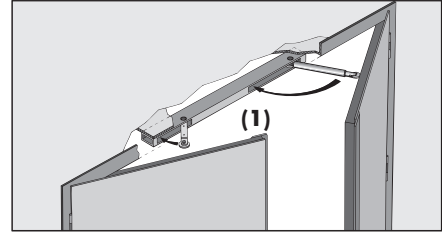


Technical Data

Weight of one door leaf	maximum 250 kg
Width of one door leaf	0.75 m up to 1.50 m
Space required below frame	20 mm
Working angle	max. 115°
Finish	zinc-plated, on request powder-coated
Electromagnet (model SR 2000 E only)	24 VDC / 42 mA

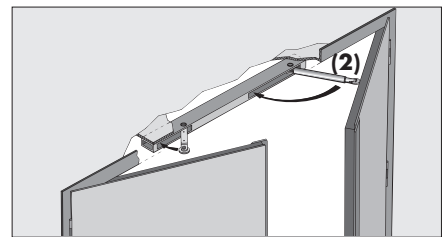
Operation

As soon as both door leaves open, the door sequence selector's telescopic arm is activated by the integrated traction spring (1).

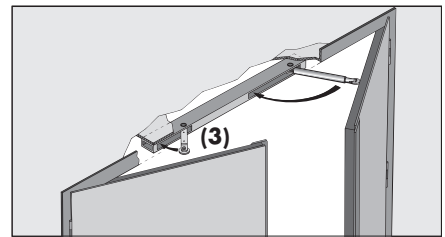


The door sequence selector controls the closing sequence of both leaves:

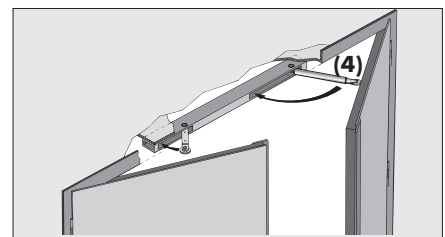
The active (locking) leaf required to close last, hits the door sequence selector's telescopic arm with its back (2) and stays in this position ...



until the closing passive leaf (latch leaf) touches the release roller of the small arm (3) and ...

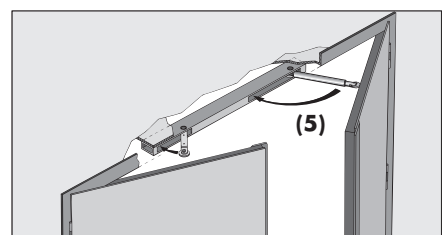


folds in the small arm of the door sequence selector. This also folds in the telescopic arm (4) and sets the active leaf free. Then the active leaf (5) ...



can also close.

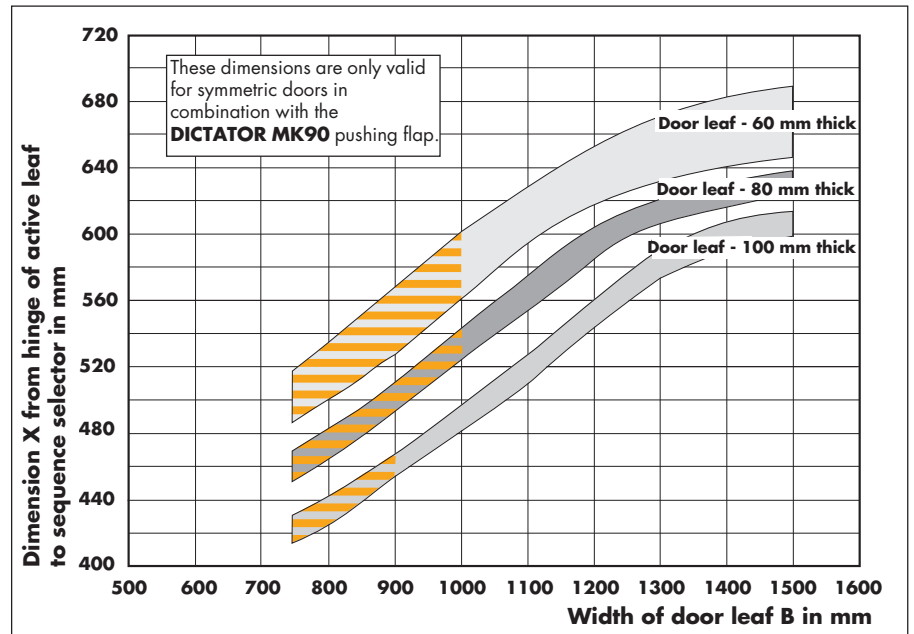
If only the active leaf is opened, both door sequence selector arms remain folded in. However they are automatically activated as soon as the passive leaf is opened as well.



Further illustrations to be added soon

Installation

The diagram below and the drawing at the bottom of the page will show you where to install the door selector. In case of asymmetric doors please contact us.



Important Advice

When **fitting** the selector **both washers** furnished along with the selector have to be inserted between the casing of the selector and the door frame (to compensate any unevenness of the frame) - see illustration on the following page.

Max. torque when tightening the screws: 4.5 Nm

(If the screws are tightened too much, the casing of the selector might be slightly distorted and thus a proper function of the selector be prevented).

The function of the selector might be impaired by exterior influences. It therefore must not be painted, plastered or modified in any way.

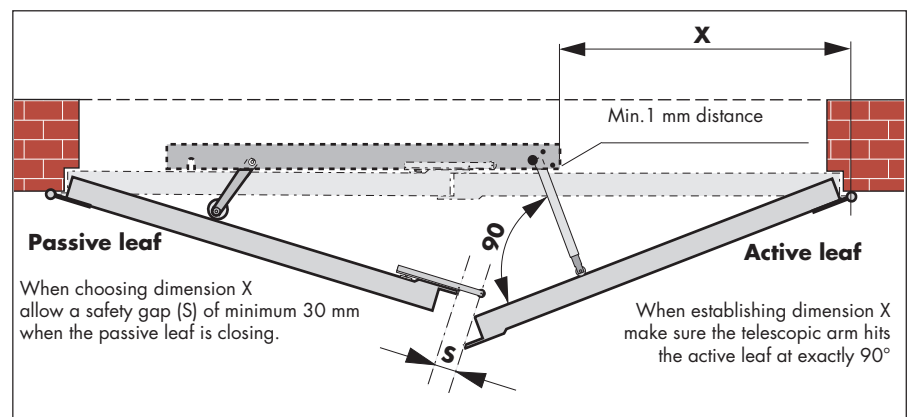
The minimum width of the door leaf is 750 mm. For doors with less than 1000 mm width per leaf you need to choose the short version of the door sequence selector (hatched area): SR 2000 K (part no. 500435). Exception: with door leaves 100 mm thick the short type can be used up to 900 mm door width only.

Fit the sequence selector from below to the frame with two M5x30 hexagon socket screws. Make sure the sequence selector runs parallel to the door. The front edge should be about 1 mm from the door leaves.

It is important that in its upright position the telescopic arm hits the active door leaf at exactly 90°. This angle can be adjusted with a screw at the bottom of the telescopic arm. With doors made of very thin sheet steel we recommend to use a reinforcement plate where the telescopic arm hits the leaf (distance to the pivot point of the door is approx. distance X less 65 mm).

The roller on the release arm can be adjusted by an eccentric screw, so that the passive leaf closes completely and the telescopic arm folds up entirely. Remember to tighten the counter nut again.

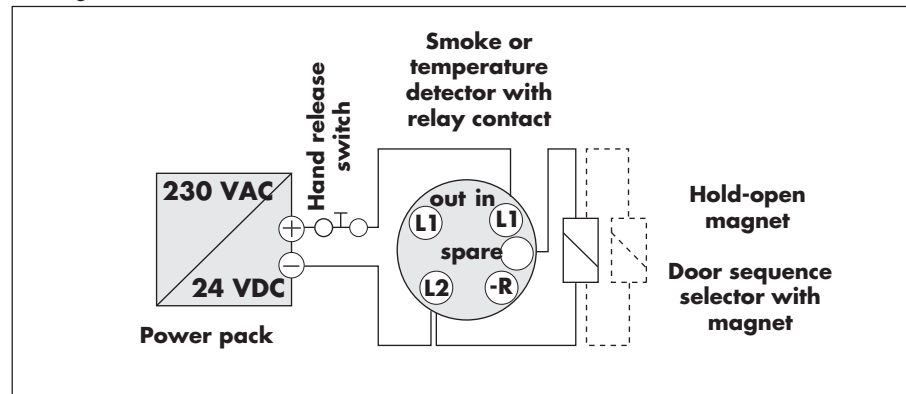
After the installation check the proper function of both arms and the adjustment of the angle of the arms.



Electrical Connection

The electrical connection of the SR 2000 E door sequence selector is completed according to the wiring diagram below. The binders are located beside the telescopic arm inside the sequence selector casing.

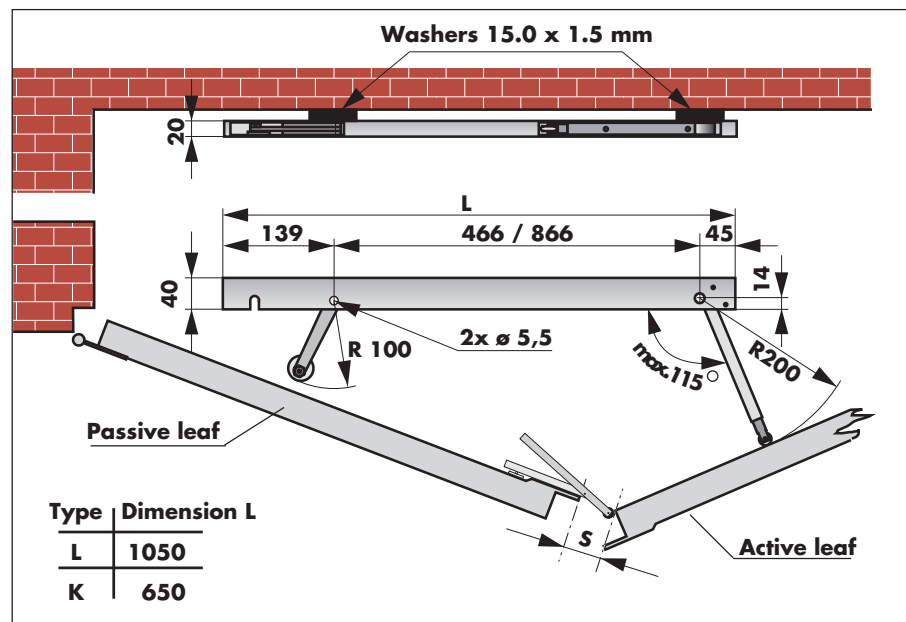
For further information on our DICTATOR smoke and temperature detectors and hold-open magnets, please see chapter Fire Door Control Solutions of our complete catalogue.



Controlling Opening Angle

The electromagnet sequence selector can be used in combination with door closers or drive units provided with an integrated hold-open device. However they must be equipped with an opening angle control. This assures that the power supply to the sequence selector electromagnet is cut off as soon as the active leaf is closed by hand, thus releasing the telescopic arm. It can then support the active leaf until the passive leaf has closed completely.

Dimensions



Order Information

SR 2000 L door sequence selector (long version)	part no. 500430
SR 2000 EL door sequence selector (with magnet)	part no. 500431
SR 2000 K door sequence selector (short version)	part no. 500435
SR 2000 EK door sequence selector (with magnet)	part no. 500436
MK 90 pushing flap	part no. 500440