

## Door Sequence Selectors

For double-leaf hinged fire and smoke protection doors it is mandatory to be equipped with a door sequence selector. The tested DICTATOR door sequence selectors make sure that the door leaves close in the right order and thus reliably prevent the spreading of fire and smoke.

DICTATOR provides two different door sequence selector models:

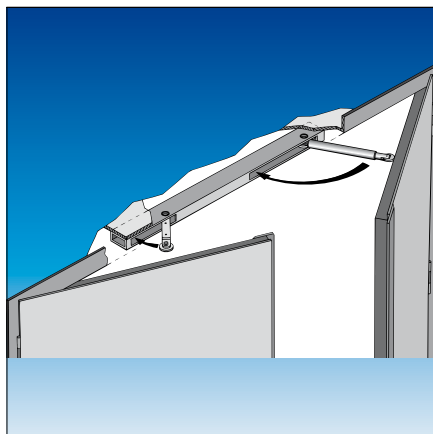
- **SR 90 door sequence selector** with usual lever arm and support brackets as an economic model.
- **SR 2000 door sequence selector** with or without electromagnetic locking of the lever arms. The SR 2000 is designed especially for two-leaved hinged fire doors meeting high aesthetic requirements. The 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.

The DICTATOR door sequence selectors have been tested and approved on hinged fire protection doors with two leaves according to DIN EN 1158.



### Product Overview

SR 90 door sequence selector	door sequence selector with 2 support brackets
SR 2000 door sequence selector	compact unit without support brackets, with/without locking of the integrated arms
Material	zinc-plated steel



### Operation SR 90

#### Operation

The DICTATOR SR 90 door sequence selector remains unfolded when only the finally locking leaf is opened. Every time both door leaves are opened the telescopic arm of the door sequence selector SR 90 is automatically set in an upright position by the integrated leg spring.

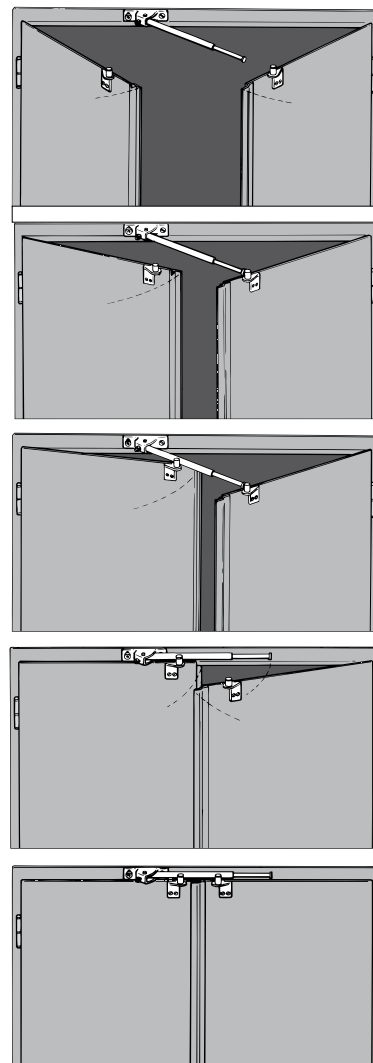
The door sequence selector controls the correct closing sequence of both door leaves:

The door leaf to close finally (locking door leaf) hits the door sequence selector's telescopic arm with the pin of the support bracket and is kept in this position ...

until the latch leaf with support bracket moves laterally across the door sequence selector's telescopic arm and...

during closing takes the telescopic arm back with it to its closed position. When the telescopic arm lies flat against the door frame, the locking leaf is released and ...

can now close.



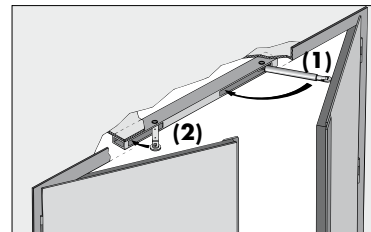
### Operation SR 2000

As soon as both door leaves open, the SR 2000 door sequence selector's telescopic arm is activated by the integrated traction spring.

During closing the active (locking) door leaf, which is required to close last, hits the door sequence selector's telescopic arm (1) with its back and stays in this position until the closing passive leaf (latch leaf) touches the release roller of the small arm (2) and folds in the small arm of the door sequence selector. This also folds in the telescopic arm (1) and sets the active leaf free. Then the active leaf can also close.

If only the active leaf is opened, both SR 2000 door sequence selector arms remain folded in.

The SR 2000 E model will unfold its arms only after an alarm of one of the connected smoke detectors.



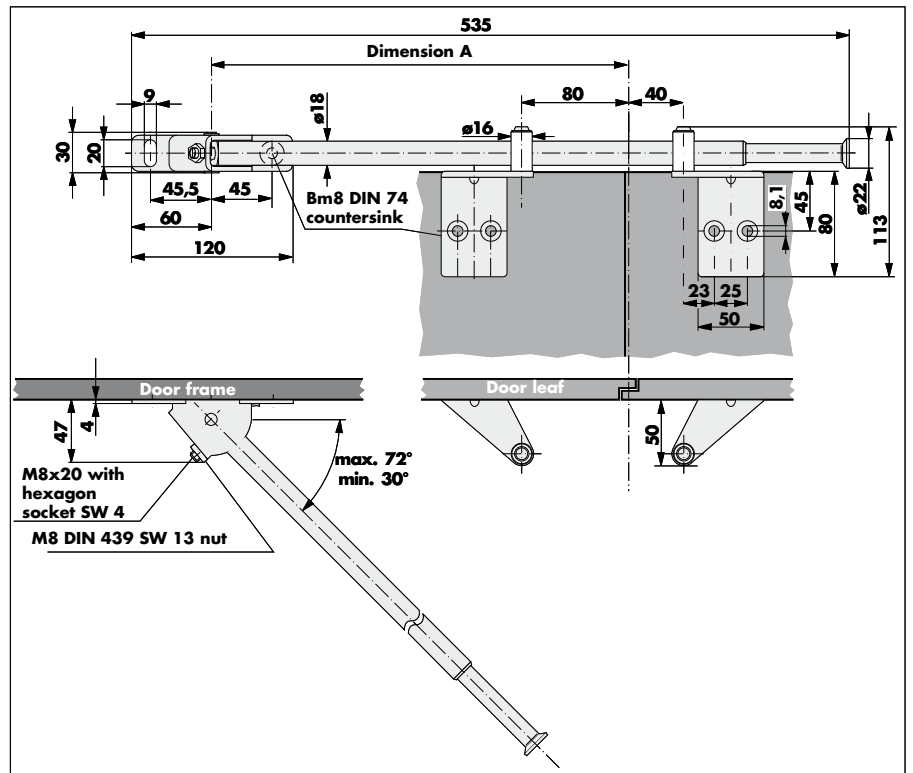


### Door Sequence Selector SR 90 Dimensions, Technical Data

The SR 90 door sequence selector has a telescopic arm which automatically sets itself in an upright position when both door leaves are opened. As counter piece a support bracket has to be mounted on both door leaves.

Detailed information on mounting is given in the mounting instructions. There is also explained how to determine the dimension A shown in the dimensioned drawing.

#### Dimensions SR 90



#### Technical Data

Weight of door leaf	max. 160 kg per door leaf
Width of door leaf	up to 1.60 m per door leaf
Space required above the door	min. 30 mm
Setting up angle	30° to 70°

#### Components Included

- SR 90 door sequence selector with telescopic arm
- 2 support brackets with pin and polyamid tube
- 1 cylinder head stud M8 x 16 DIN 7984
- 5 hexagon socket screws M8 x 16 DIN 7991

#### Order Information

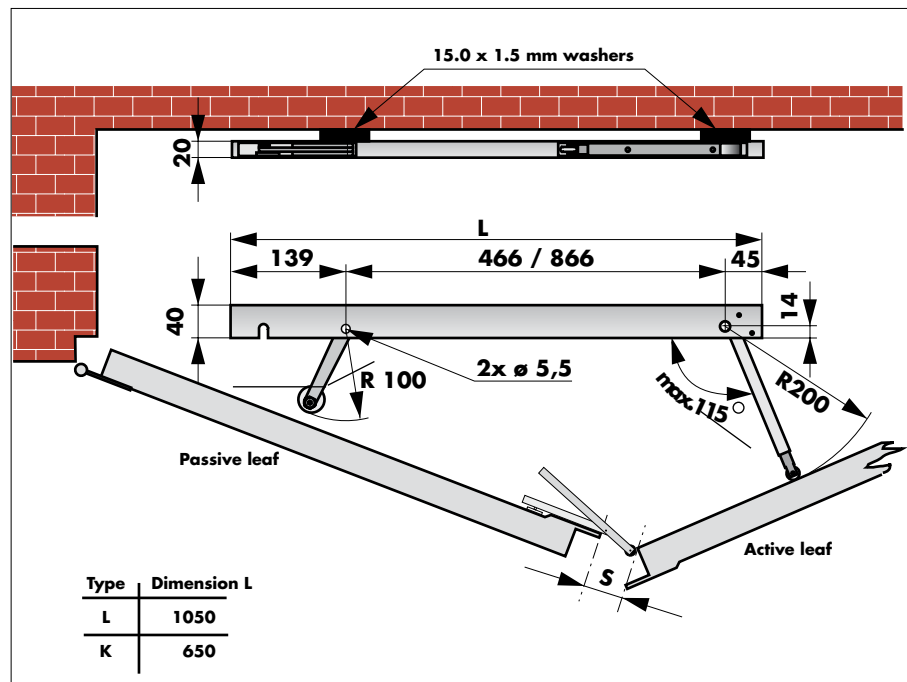
SR 90 door sequence selector, zinc-plated, with accessories part no. 500420P



**Door Sequence Selector SR 2000  
Dimensions, Technical Data**

The SR 2000 door sequence selector (see the illustration on the left) doesn't need any separate support brackets. In particular the model with integrated electromagnet fits absolutely unobtrusively in the appearance of the door.

**Dimensions SR 2000**



**Supervision of Rotation Angle**

If the SR 2000 E door sequence selector with electromagnet is used together with a door closer or a door operator which has an integrated hold-open, these devices have to include a so-called supervision of the rotation angle. This makes sure the power supply of the electromagnet is switched off as soon as the active leaf is closed manually. Then the telescopic arm is activated and can support the active leaf.

**Technical Data**

Weight of door leaf	max. 160 kg per door leaf
Width of door leaf	0.75 m to 1.50 m per door leaf
Space required below the door frame	20 mm
Setting up angle	max. 115°
Electromagnet (only with SR 2000 E model)	24 VDC/42 mA

**Order Information**

SR 2000 L door sequence selector (long version)	part no. 500430
SR 2000 EL door sequence selector (with magnetic hold-open)	part no. 500431
SR 2000 K door sequence selector (short version)	part no. 500435
SR 2000 EK door sequence selector (with magnetic hold-open)	part no. 500436