

FIXING INSTRUCTIONS

Technical Data ITS 96 FL

Operating voltage 24 V DC $\pm 15\%$
 Power input: appr. 3 W
 Rated for continuous duty: 100 % ED
 The unit is controlled by an external smoke detector unit (e.g. DORMA RMZ).

Note: According to the guidelines for hold-open systems issued by the Institute for Building Technology, Berlin, it must be possible to release every hold-open device by manual means.

If free-swing door closers are used, release must be initiated by a pushbutton.

The manual release pushbutton used for this must be red and carry the inscription "Close Door". The pushbutton must be in the immediate vicinity of the door (barrier) and must not be concealed when the door (barrier) is open.


Preparations for fixing

- Prepare door leaf and frame as per dimensional drawing.
- For the electro-mechanical hold open (ITS 96 FL), install power supply cable from smoke detector. Use the DORMA KÜ or DORMA KS cable loop to connect door leaf and frame.


1
1FL Insert the slide channel in the recess, and fix.

2
Insert the closer in the door leaf and fix.

2FL Connect power supply cable (24V DC from the smoke detector)
 Insert the closer in the door leaf and fix.


 **Avoid contact of the magnetic unit with the recess edge.**
Ensure that the cables are not damaged in this process.

3
3FL Close the 120° - 0° adjustment valve. Fit the closer arm.

 **Ensure that the square recess in the arm is positioned correctly as this is critical for the door closer function..**
 Turn closer arm approx. 30° in the direction indicated.

4
4FL Remove arm, turn 90° and re-fit.

5
5FL Fix arm to closer and slide shoe.

 **Always use the screw supplied. If this is removed during maintenance or repair, it must be replaced by a new, original self-locking screw.**

6
6FL Adjust closing speed 120°-0°.

7
7FL Adjust closing force.

8
8FL Adjust latch action 7°-0°.

9FL Setting the free-swing function

Switch on power (24V DC from smoke detector)
 Open the door leaf to the maximum door opening angle. Now the door can be freely moved thanks to the free-swing function.
 Leave the door open.

10FL Functional test


Interrupt power supply using manual pushbutton (e.g. DORMA HT) ①. The hold-open device is de-energised and the door is closed ②

11 Adjust deadstop


11FL The deadstop helps to prevent damage to the door and wall when the door is opened normally. The deadstop is not abuse resistant, and cannot replace a door stop in many situations. Deadstop adjustable between 80° and 120° maximum.


FINAL INSPECTION AND MAINTENANCE

 Instruction sheet relating to the use and application of hold-open systems.¹⁾

 EN 14600 Appendix C

FURTHER INFORMATION / REGULATIONS

 Instruction sheet relating to the use and application of hold-open systems.¹⁾

 Guidelines for hold-open systems published by the Institute for Building Technology, Berlin ¹⁾, or equivalent national guidelines