



EM FD440

Fire Door Closing System

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Integrated electrohydraulic

The EM Door Closer FD440 has an integrated electrohydraulic hold-open device. In combination with the free swing sliding arm FD494 or the free-swing standard arm FD499 it's particularly useful for frequently used doors where the opening resistance from a normal door closer is too high. Examples of applications are in hospitals, kindergartens, nursing homes and public buildings where a safe door closing is required in case of fire alarm. At first opening it works like a normal door closer. The door is opened to the desired opening angle (min. approximately 70°). After the first opening, the free-swing device enables the door to swing freely without any resistance. In case of fire alarm or power switch-off the door closes safely regardless of door position. Current consumption is 90 mA at 24VDC. Mounting plate is included.

Applications

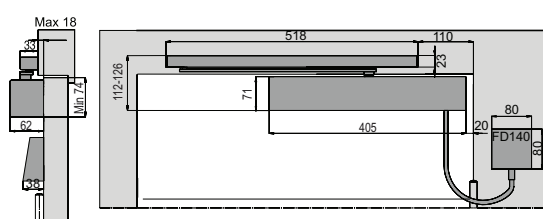
Suitable for most fire-rated doors where "free-swing" function is required

- For maximum door width 1400 mm and weight 120 kg (standard arm system)
- Closing force
 - With arm type DC199 or FD499 EN2
 - With arm type DC194 or FD494 EN1-4
- Available with "free-swing" type standard and sliding arm
- Available with standard and sliding arm for "hold-open function"
- Non-handed, can be installed on the door leaf or on the door frame

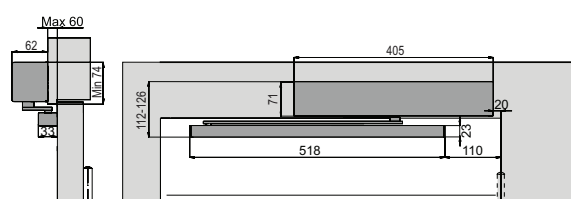
Features

- Cast aluminum body
- Electrohydraulic hold-open device
- Cover profile with end caps, in silver colour
- Sliding and standard arms for "free swing" function
- Sliding and standard arms for "hold open function" 70° - 180° opening angle
- Tested, approved and CE-certified according to EN1155
- FD462 & FD464 are certified according to EN1155 and EN1158 top rail.
- Hold open arm

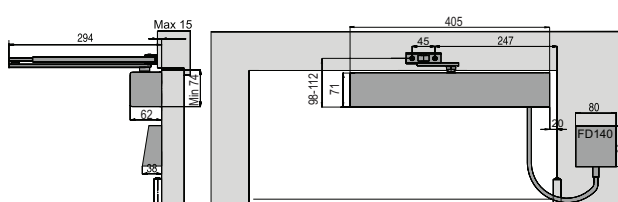
Opening side



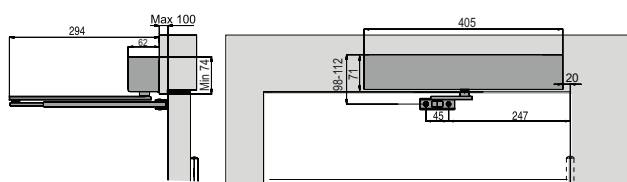
Closing side Max opening angle 170°



Max opening angle 160°



Max opening angle 160°



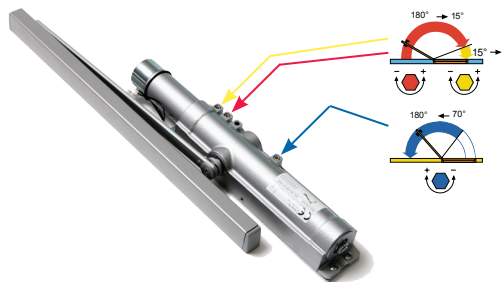
Max opening angle 160°

Accessories

- FD494 "Free-swing" sliding arm
- FD499 "Free-swing" standard arm
- DC194 Sliding arm
- DC199 Standard arm with locked joint
- Parallel arm bracket for DC199
- Suitable for doors with restricted space for opening
- Only for installation on the closing side
- The closing force is one class less than with the standard arm
- DC153 Opening damper for sliding arm
- Maximum dampening angle ~ 110°
- On external doors and doors exposed to high pressure, an extra floor stopper is recommended
- EA701 Power supply transformer 220/24 VDC
- FD140 Connection box
- For door leaf installations
- FD600 Smoke detector
- Optical detection
- FD110 Mechanical coordinator for double doors
- Door width 1500-2000 mm
- FD111 Mechanical coordinator for double doors
- Door width 2000-3000 mm

Adjustments

- Spring tension adjustable for EN2-6 (standard arm) or EN1-4 (sliding arm)
- Closing and latching speeds are adjustable
- Adjustable shaft height 14 mm
- Back check adjustable from 75° opening angle



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