

# UNIVERSAL DRIVE MECHANISM FOR **SWING DOORS**



OPENS. CONNECTS. PROTECTS.

# THE ELEGANT SOLUTION FOR SWING DOORS

## Convenient by design

Sleek design combined with clean lines creates just the right overall architectural impression. This streamlined drive mechanism is integrated at lintel height for discreet, concealed convenience.



## The slimline FD 10 drive mechanism

- For smooth and silent door movement
- Supplied with "smart" functions, such as combined safety and opening elements, adjustable opening power and our Push & Go feature
- Integrated wind load function
- Interlock function

# THE ROBUST SOLUTION FOR SWING DOORS

## **Suitable for any situation**

Used for large heavyweight doors or those exposed to strong winds. This universal drive mechanism provides smooth, unobstructed and hygienic access in any situation.



## **The high-performance FD 20 drive mechanism**

- With integrated protection designed to withstand winds of up to 80 km/h
- Supplied with a large range of functions, including reinforced closure and hold-open time – all designed to ensure smooth operation
- External elements and accessories are likewise electrically powered
- Interlock function

# PROVEN PERFORMANCE IN THE EVENT OF FIRE

## Ready to cope with emergencies

The swing door drive unit closes your door, reliably and from any position, if a fire should occur. The closed door can be opened manually at any moment to provide a reliable escape route.



### The FD 10-F / FD 20-F drive mechanism with fire shutter

- Spring-actuated closure in the event of a fire or power cut
- Provides a reliable emergency exit/rescue access route
- Suitable for direct incorporation into a building's control system

# CONTROLLED OPERATING SEQUENCE IF SMOKE IS PRESENT

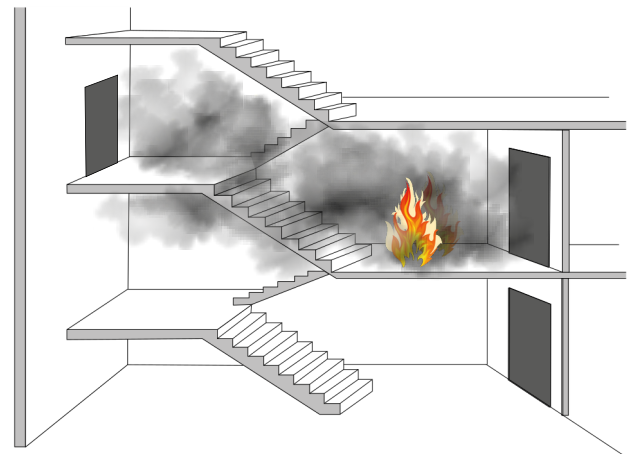
## With our “Invers” function

The extraction of smoke from the interior of a building depends on the carefully coordinated opening and closing of doors and windows. This lets toxic smoke and fumes escape quickly from the building. After a certain time has passed, largely stable layers of air, and ones containing only small residues of smoke, form near floor level, allowing people to escape unassisted; possibly saving many lives. Smoke extraction makes the job of the fire brigade more efficient, as fumes do not spread from room to room.

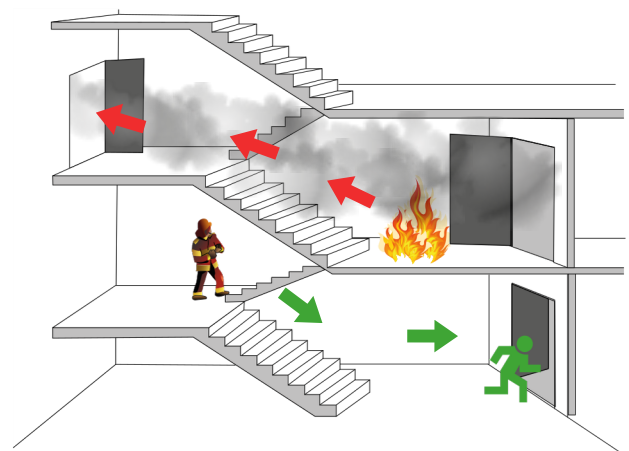


### FD 20-F “Invers” smoke-extraction function

- Power-down opening with spring-loaded mechanism
- Used for smoke and heat extraction
- Emergency exit/rescue access



Spread of smoke without extraction system



Spread of smoke with extraction system

# SWING DOOR DRIVE UNITS

## THE RIGHT CHOICE

### Design and function

Monador swing door drive units are designed for high performance, maximum service life and extra-quiet operation. They are ideal for new installations and existing doors alike. They can operate both lightweight interior doors and heavyweight external doors, along with fire safety doors. They are certified to confirm compliance with the highest quality, safety and security standards.

|                                        | <b>FD 10</b><br><b>Design</b><br>                                                                                                       | <b>FD 10-F</b><br><b>Fire prevention</b><br> | <b>FD 20</b><br><b>High performance</b><br> | <b>FD 20-F</b><br><b>Fire prevention</b><br> |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Max. door leaf weight</b>           | 150 kg                                                                                                                                                                                                                    | 150 kg                                                                                                                         | 250 kg                                                                                                                         | 250 kg                                                                                                                           |
|                                        | Maximum door leaf weights may be exceeded when certain influencing factors apply.<br>See FD-Selector ( <a href="http://media.gilgendoorsystems.com/tools/fd-selector">media.gilgendoorsystems.com/tools/fd-selector</a> ) |                                                                                                                                |                                                                                                                                |                                                                                                                                  |
| <b>Door sizes single-leaf</b>          | 730 – 1250 mm<br>(Standard rods)<br>730 – 1100 mm<br>(Sliding rods)                                                                                                                                                       | 730 – 1250 mm<br>(Standard rods)<br>730 – 1100 mm<br>(Sliding rods)                                                            | 750 – 1600 mm                                                                                                                  | 750 – 1400 mm                                                                                                                    |
| <b>Door sizes two-leaf</b>             | 1460 – 2500 mm<br>(Standard rods)<br>1460 – 2200 mm<br>(Sliding rods)                                                                                                                                                     | 1460 – 2500 mm<br>(Standard rods)<br>1460 – 2200 mm<br>(Sliding rods)                                                          | 1500 – 3200 mm                                                                                                                 | 1500 – 2800 mm                                                                                                                   |
| <b>Max. opening angle</b>              | 105°                                                                                                                                                                                                                      | 105°                                                                                                                           | 105°                                                                                                                           | 105°                                                                                                                             |
| <b>Opening speed</b>                   | 2,4...20 s adjustable<br>(max. 40°/s)                                                                                                                                                                                     | 2,4...20 s adjustable<br>(max. 40°/s)                                                                                          | 2,4...20 s adjustable<br>(max. 40°/s)                                                                                          | 2,4...20 s adjustable<br>(max. 40°/s)                                                                                            |
| <b>Closing speed</b>                   | 2,4...20 s adjustable<br>(max. 40°/s)                                                                                                                                                                                     | 2,4...20 s adjustable<br>(max. 40°/s)                                                                                          | 2,4...20 s adjustable<br>(max. 40°/s)                                                                                          | 2,4...20 s adjustable<br>(max. 40°/s)                                                                                            |
| <b>Max. wind speeds</b>                | See FD-Selector<br><a href="http://media.gilgendoorsystems.com/tools/fd-selector">media.gilgendoorsystems.com/tools/fd-selector</a>                                                                                       |                                                                                                                                |                                                                                                                                |                                                                                                                                  |
| <b>Approved according to standards</b> | EN 16005, DIN 18650                                                                                                                                                                                                       | EN 16005, DIN 18650,<br>EN 1634-1, EN 1158,<br>DIN 18263-4                                                                     | EN 16005, DIN 18650                                                                                                            | EN 16005, DIN 18650,<br>BS EN 1634-1,<br>EN 1154, EN 1158,<br>DIN 18263-4<br>NF S 61-937-8: 2010-10                              |

## CLIMATIZATION

The process of adjusting the temperature, humidity, cleanliness and air movement of a closed environment according to human health and comfort is called air conditioning. We know that our automatic door models, which combine advanced technology with research on human behavior and building environment, will contribute to sustainable and healthy buildings. With smart sensors, adaptive operating modes and connectivity, we can ensure that every building makes a difference and contributes to the future of green buildings.



## EXPERIENCE AND KNOWLEDGE

**Monador Automatic Door Systems Trade Inc.** is the leading organisation that laid the foundations of the sector. With this understanding, we are proud to continue to provide the service of automatic sliding, magnetic sliding, revolving, security system doors, which we have been implementing in Turkey and the Middle East since 1988. As a result of the experience and knowledge we have gained, with our professional teams, we provide 24/7 service to our customers after sales or after assembly. Our products with superior technological equipment are provided to provide trouble-free service.

## SERVICE & MAINTENANCE SUPPORT

Our periodic maintenance packages are **Platinum**, **Gold** and **Silver** presented in three categories.

✉ info@monador.com.tr

☎ 0212 216 98 18

✉ servis@monador.com.tr

☎ 0212 211 9 211 (In Business Hours)

☎ 0532 465 55 06 - 0532 465 55 07 (Other)



www.monador.com.tr



monador otomatik kapı



monadorotomatikkapi



monador otomatik kapı



TS-EN-16005

