

SWING DOOR DRIVE UNIT **GILGEN FD 20**



All the functions – one drive mechanism Full Power and

- Electromechanical opening system
- Controlled, spring-actuated closure with motor assistance
- Spring-actuated closure in the event of a power failure
- No travel stops required (except where there is a danger of vandalism and for fire-related doors)
- Adjustable wind-load function
- Integrated "inverse" power-down opening function
- Vertical interlocking of door leaf

Easy installation

- Can be attached to the door lintel or door leaf
- Optional pull/push-rod or sliding rod
- Consistent installation position
- Reliable plan-compatibility suitable for a large range of applications
- All-pole, circuit-breaking master switch (integrated into side cover)

Initial startup made simple

- Operating sequence
- Opening angle
- Push and go function
- Electronic closing-sequence control for two-leaf doors
- Interlock function
- Reinforced closure

Safety-tested

The Gilgen FD 20 is TÜV-tested for conformity with both EN 16005 and DIN 18650.

Operating and safety elements

- Safety sensors
- Radar devices
- Contactless detection sensors
- Hand-held radio transmitter
- Foot- or elbow-operated switches
- Key-operated pulse switches and badge/pass scanners
- Electric locks and locking devices
- D-BEDIX external control unit

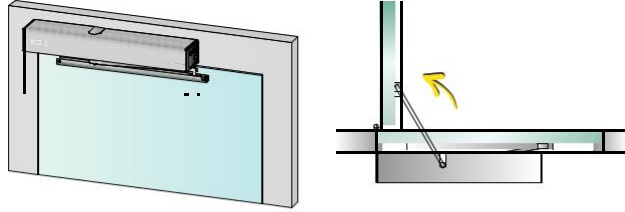
For reliable, convenient operation

- Obstacle-detection system with automatic stop/reverse mechanism
- Optical sensor strips
- Smooth, noise-free opening and closing
- 100% electromechanical configuration
- Very low power consumption in standby (4 watts)
- Illuminated program selector keys integrated into side cover
- Operates reliably even in high winds

Installation and configuration options

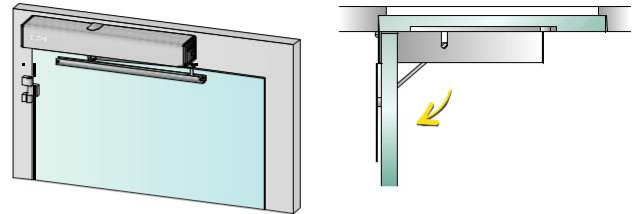
Lintel assembly with sliding rods

Pushing function, single- and two-leaf
 • Aesthetic solution, simple installation



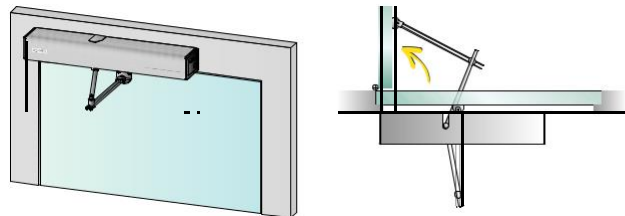
Lintel assembly with sliding rods

Pulling function, single- and two-leaf
 • Aesthetic solution, simple installation



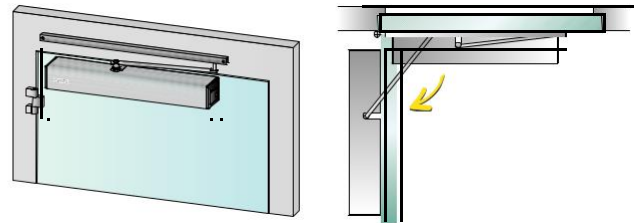
Lintel assembly with standard rods

Pushing function, single- and two-leaf
 • Highly-efficient power transmission



Door installation with sliding rods

Pushing function, single-leaf
 • Suitable for use where height is limited



Technical specifications:

Power transfer	Standard rods (pushing function) Sliding rods (pushing and pulling function)
Dimensions of drive mechanism (mm)	Height 95, width 690 , depth 120
Weight of drive mechanism	10,5 kg
Ambient temperature	-15 to +50 °C
Protection rating	IP 40
Operating voltage	230 VAC (+10/-15 %), 50 Hz, 10/13 A
Power consumption of drive mechanism	max. 560 W
Rated motor capacity	100 W
Stand-by consumption	4 W
Power supply, external user	24 VDC (±10 %), 2 A
Output shaft torque	max. 80 Nm
Lintel depth standard rods	max. 250 mm
Lintel depth sliding rods	-30 / +150 mm
Opening speed	max. 40°/s
Closing speed	max. 40°/s
Relative humidity	max. 85 %

Application limits:

Max. leaf weight	600kg under specific condition
Door sizes EN 3-7	(850 – 1600 mm)
Door sizes fire doors EN 4-6	(950 – 1400 mm)
Max. opening angle	105°
Max. wind speed	80 km/h (320 Pa)*

* depending on door size and type of rod



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