

FD20 DRIVE UNIT **SWING DOOR**



AUTOMATIC OPENING OF DOORS

The Gilgen FD20 swing door drive unit is highly consistent when it comes to performance, long service life and quiet running. From lightweight internal doors to heavier external doors designed to withstand high winds – the Gilgen FD20 is always the right choice!

Drive-system Components

- 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
- 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)

The integrated LC display lets you configure drive functions and parameters such as:

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

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

The high-performance mains power unit (24 VDC/2A) allows the connection of such items as:

- 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
- 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

Technical Specifications

Power transfer	Standard rods (pushing function) Sliding rods (pushing and pulling function)
Dimensions of drive mechanism (mm)	95 Height, 690 Width, 120 Depth
Weight of drive mechanism	10.5kg
Ambient temperature	-15 to +50 °C
Protection rating	IP40
Operating voltage	230 VAC (+10/-15 %), 50 Hz, 10/13 A
Power consumption	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 %

Range of Application

Max. leaf weight	250kg
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

FD20 drive unit:

